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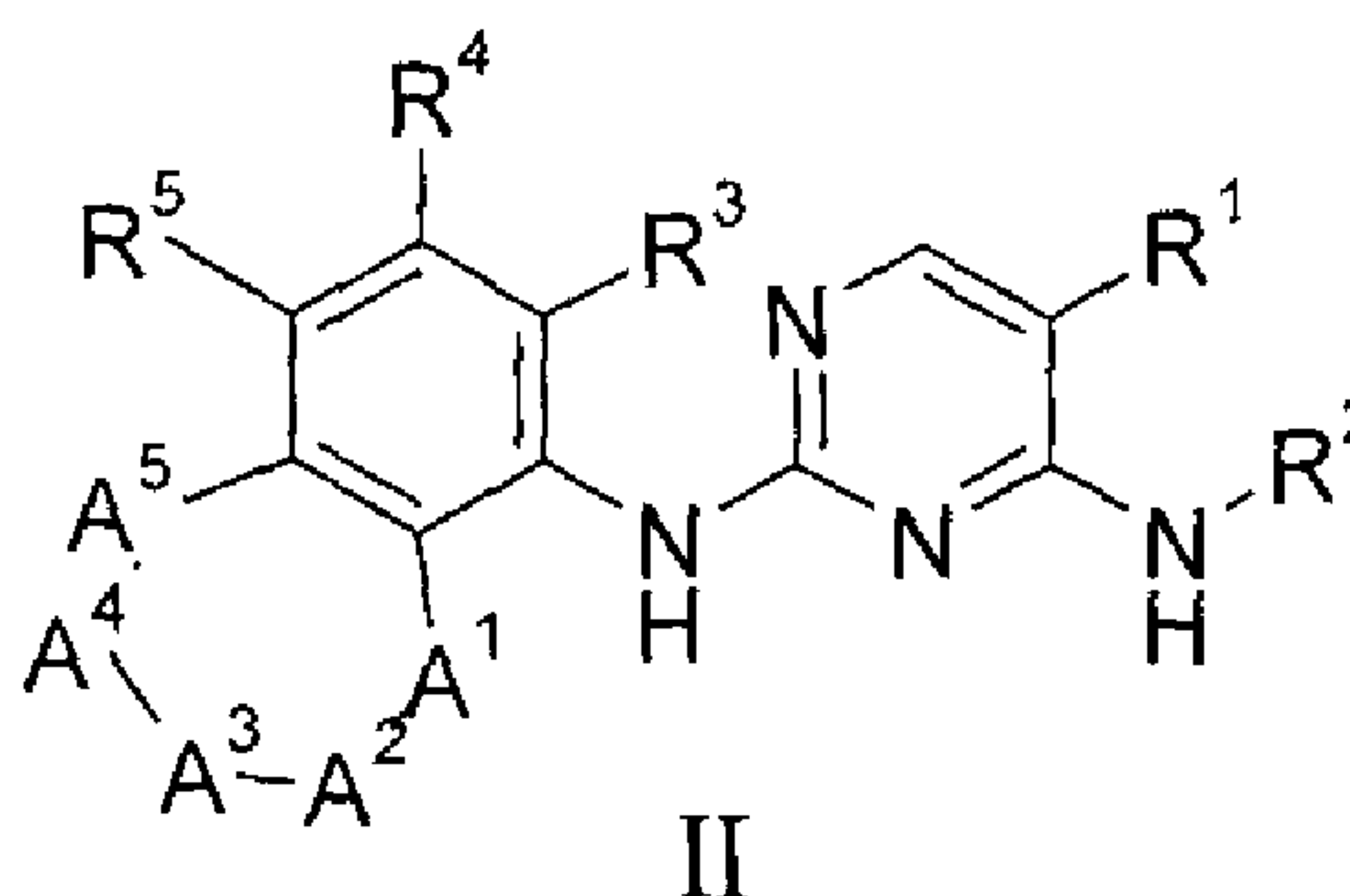
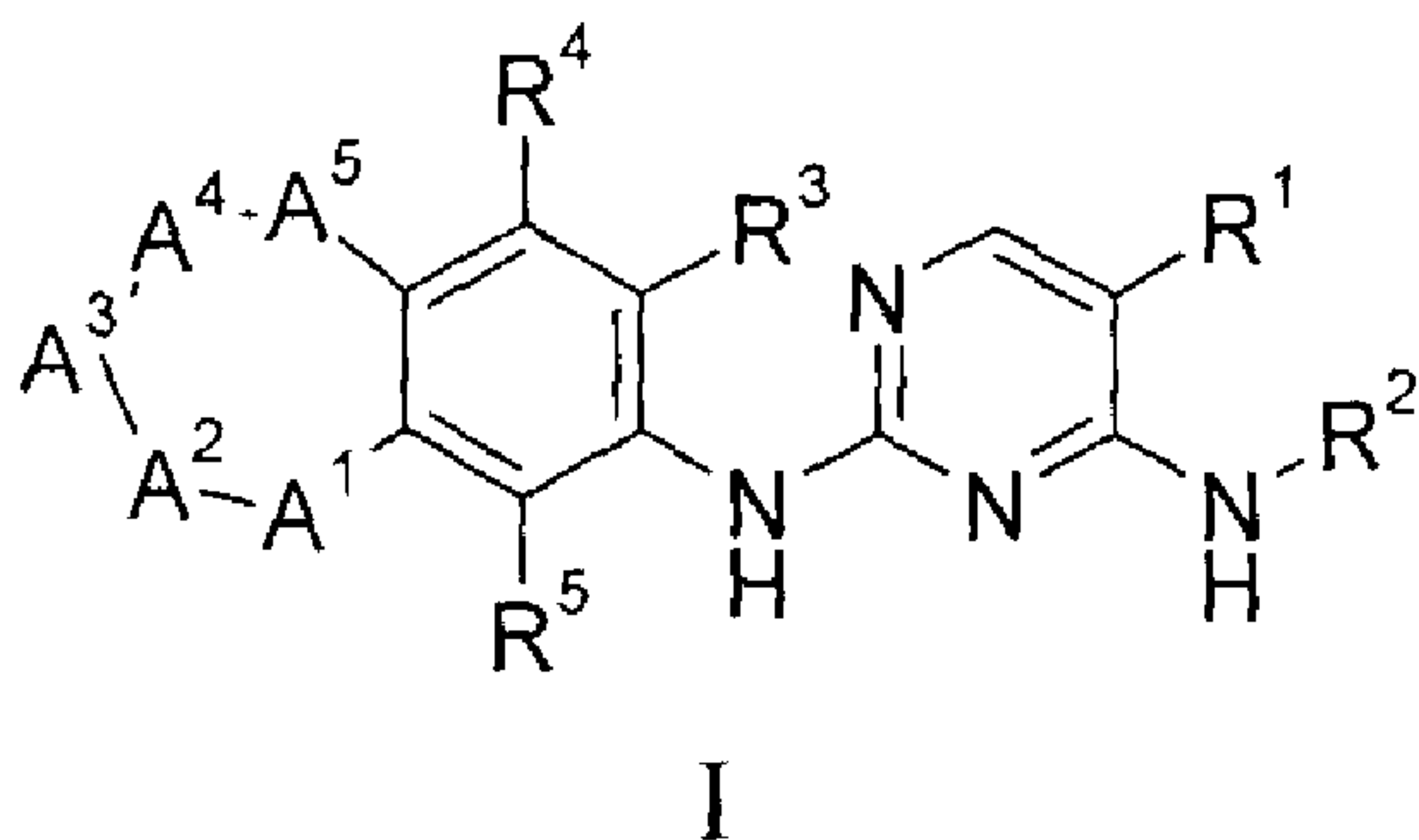
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(54) Titre : DERIVES BICYCLIQUES FUSIONNES DE 2,4-DIAMINOPYRIMIDINE UTILISES COMME INHIBITEURS DE ALK ET C-MET

(54) Title: FUSED BICYCLIC DERIVATIVES OF 2,4-DIAMINOPYRIMIDINE AS ALK AND C-MET INHIBITORS



(57) Abrégé/Abstract:

The present invention provides a compound of formula I or II or a pharmaceutically acceptable salt form thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, A<sup>4</sup>, and A<sup>5</sup>, are as defined herein. The compounds of formula I or II have ALK and/or c-Met inhibitory activity, and may be used to treat proliferative disorders.

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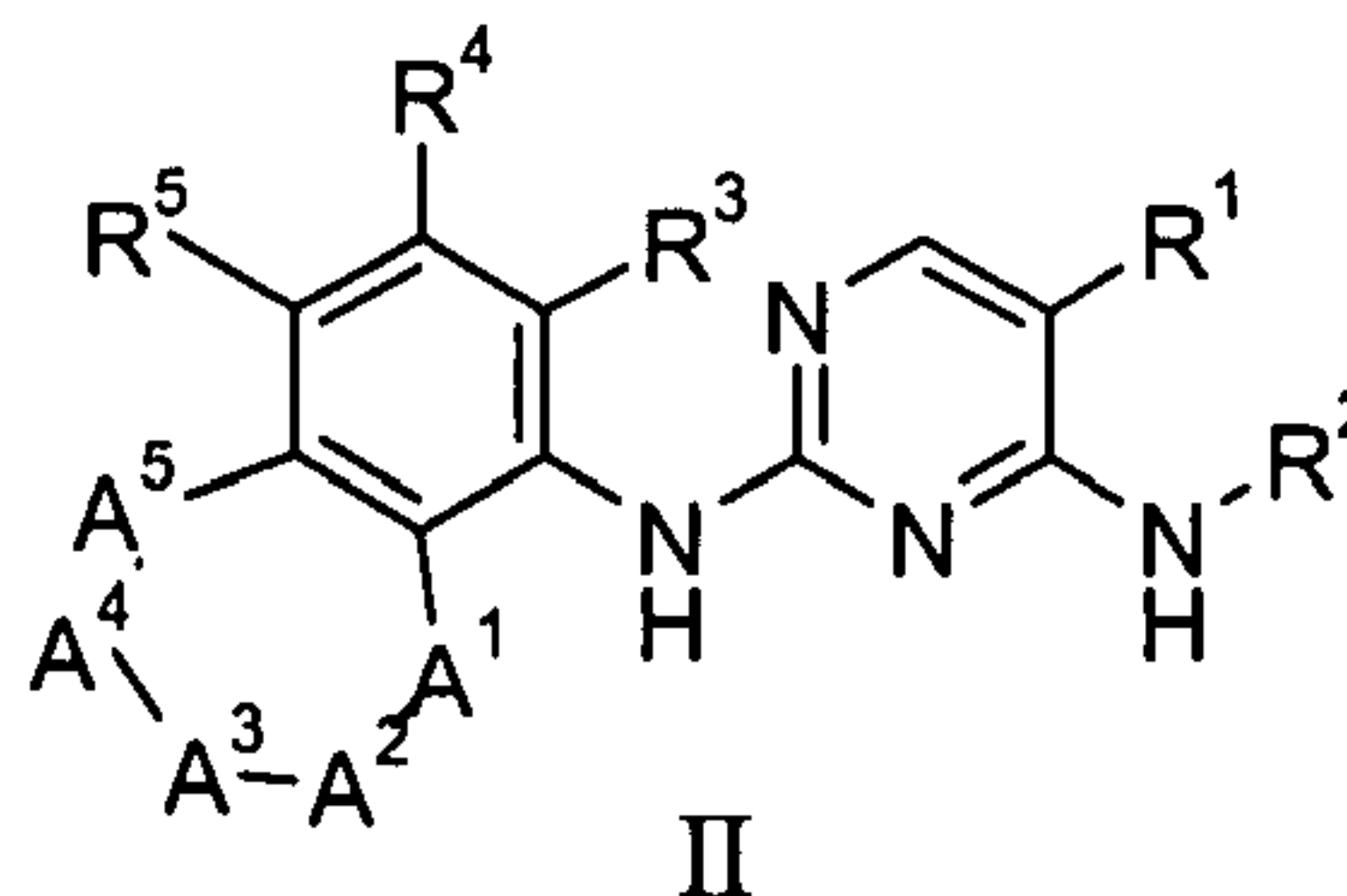
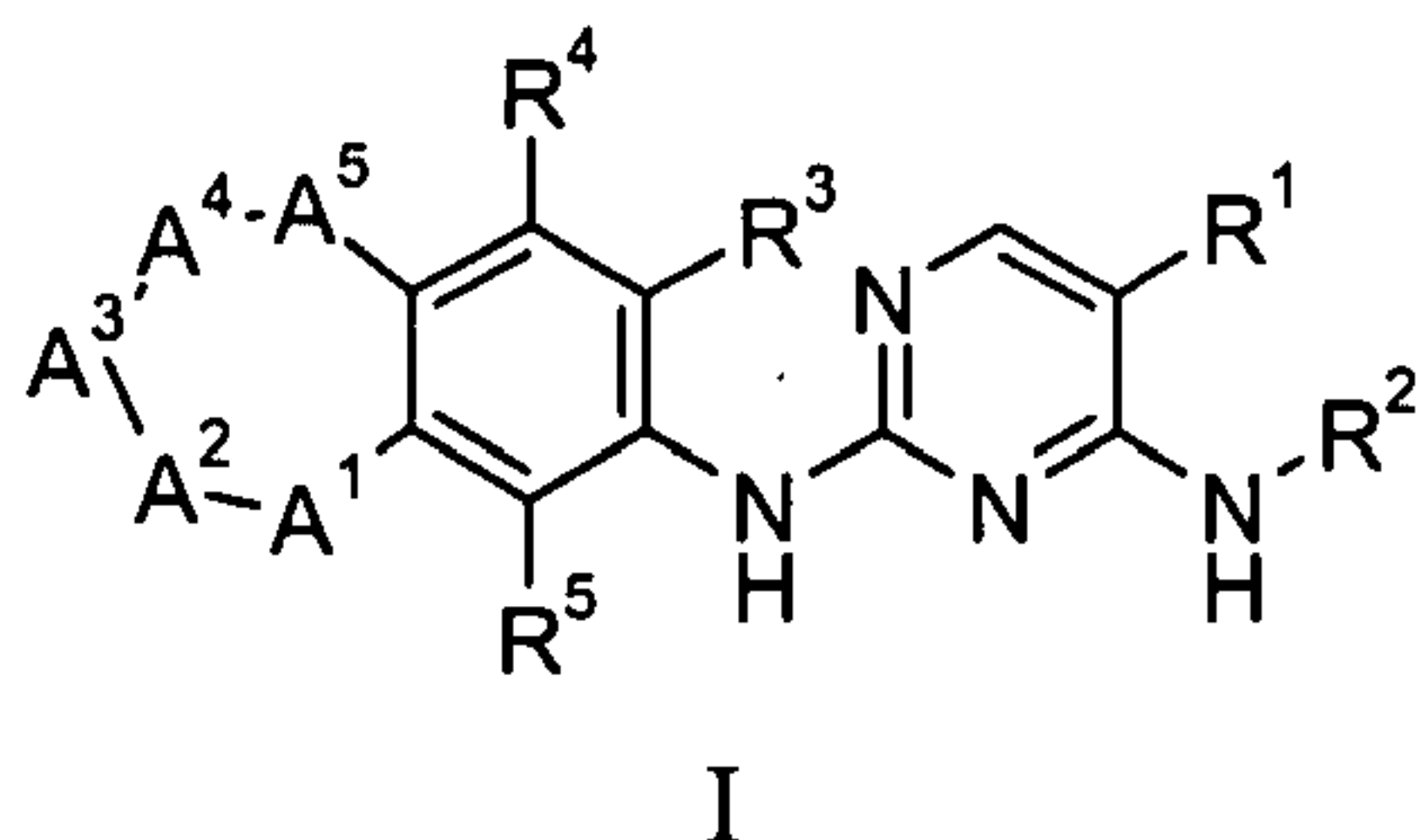
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[Continued on next page]

(54) Title: FUSED BICYCLIC DERIVATIVES OF 2,4-DIAMINOPYRIMIDINE AS ALK AND C-MET INHIBITORS



(57) Abstract: The present invention provides a compound of formula I or II or a pharmaceutically acceptable salt form thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, A<sup>4</sup>, and A<sup>5</sup>, are as defined herein. The compounds of formula I or II have ALK and/or c-Met inhibitory activity, and may be used to treat proliferative disorders.

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## **JUMBO APPLICATIONS / PATENTS**

**THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE  
THAN ONE VOLUME.**

**THIS IS VOLUME \_\_1\_\_ OF \_\_4\_\_**

NOTE: For additional volumes please contact the Canadian Patent Office.

## FUSED BICYCLIC DERIVATIVES OF 2,4-DIAMINOPYRIMIDINE AS ALK AND c-MET INHIBITORS

### BACKGROUND OF THE INVENTION

5 Anaplastic Lymphoma Kinase (ALK) is a cell membrane-spanning receptor tyrosine kinase, which belongs to the insulin receptor subfamily. The most abundant expression of ALK occurs in the neonatal brain, suggesting a possible role for ALK in brain development (Duyster, J. et al., *Oncogene*, **2001**, *20*, 5623-5637).

10 ALK is also implicated in the progression of certain tumors. For example, approximately sixty percent of anaplastic large cell lymphomas (ALCL) are associated with a chromosome mutation that generates a fusion protein consisting of nucleophosmin (NPM) and the intracellular domain of ALK. (Armitage, J.O. et al., *Cancer: Principle and Practice of Oncology*, 6<sup>th</sup> edition, **2001**, 2256-2316; Kutok J.L. & Aster J.C., *J. Clin. Oncol.*, **2002**, *20*, 3691-3702). This mutant protein, NPM-ALK, possesses a constitutively  
15 active tyrosine kinase domain that is responsible for its oncogenic property through activation of downstream effectors. (Falini, B. et al., *Blood*, **1999**, *94*, 3509-3515; Morris, S.W. et al., *Brit. J. Haematol.*, **2001**, *113*, 275-295; Duyster et al.; Kutok & Aster). In addition, the transforming EML4-ALK fusion gene has been identified in non-small-cell lung cancer (NSCLC) patients (Soda, M., et al., *Nature*, **2007**, *448*, 561 - 566) and  
20 represents another in a list of ALK fusion proteins that are promising targets for ALK inhibitor therapy. Experimental data have demonstrated that the aberrant expression of constitutively active ALK is directly implicated in the pathogenesis of ALCL and that inhibition of ALK can markedly impair the growth of ALK+ lymphoma cells (Kuefer, Mu et al. *Blood*, **1997**, *90*, 2901-2910; Bai, R.Y. et al., *Mol. Cell Biol.*, **1998**, *18*, 6951-6961;  
25 Bai, R.Y. et al., *Blood*, **2000**, *96*, 4319-4327; Ergin, M. et al., *Exp. Hematol.*, **2001**, *29*, 1082-1090; Slupianek, A. et al., *Cancer Res.*, **2001**, *61*, 2194-2199; Turturro, F. et al., *Clin. Cancer Res.*, **2002**, *8*, 240-245). The constitutively activated chimeric ALK has also been demonstrated in about 60% of inflammatory myofibroblastic tumors (IMTs), a slow-growing sarcoma that mainly affects children and young adults. (Lawrence, B. et al., *Am. J. Pathol.*, **2000**, *157*, 377-384; Duyster et al.).  
30

In addition, ALK and its putative ligand, pleiotrophin, are overexpressed in human glioblastomas (Stoica, G. et al., *J. Biol. Chem.*, **2001**, *276*, 16772-16779). In mouse studies, depletion of ALK reduced glioblastoma tumor growth and prolonged animal



survival (Powers, C. et al., *J. Biol. Chem.*, **2002**, 277, 14153-14158; Mentlein, R. et al., *J. Neurochem.*, **2002**, 83, 747-753).

An ALK inhibitor would be expected to either permit durable cures when combined with current chemotherapy for ALCL, IMT, proliferative disorders, glioblastoma and possible other solid tumors, or, as a single therapeutic agent, could be used in a maintenance role to prevent cancer recurrence in those patients. Various ALK inhibitors have been reported, such as indazoloisoquinolines (WO 2005/009389), thiazole amides and oxazole amides (WO 2005/097765), pyrrolopyrimidines (WO 2005080393), and pyrimidinediamines (WO 2005/016894).

c-Met is a member of the tyrosine kinase growth factor receptor family. c-Met expression occurs in endothelial, epithelial, and mesenchymal cells. Binding to c-Met of the endogenous ligand, hepatocyte growth factor (HGF), promotes cell migration, proliferation, and invasion.

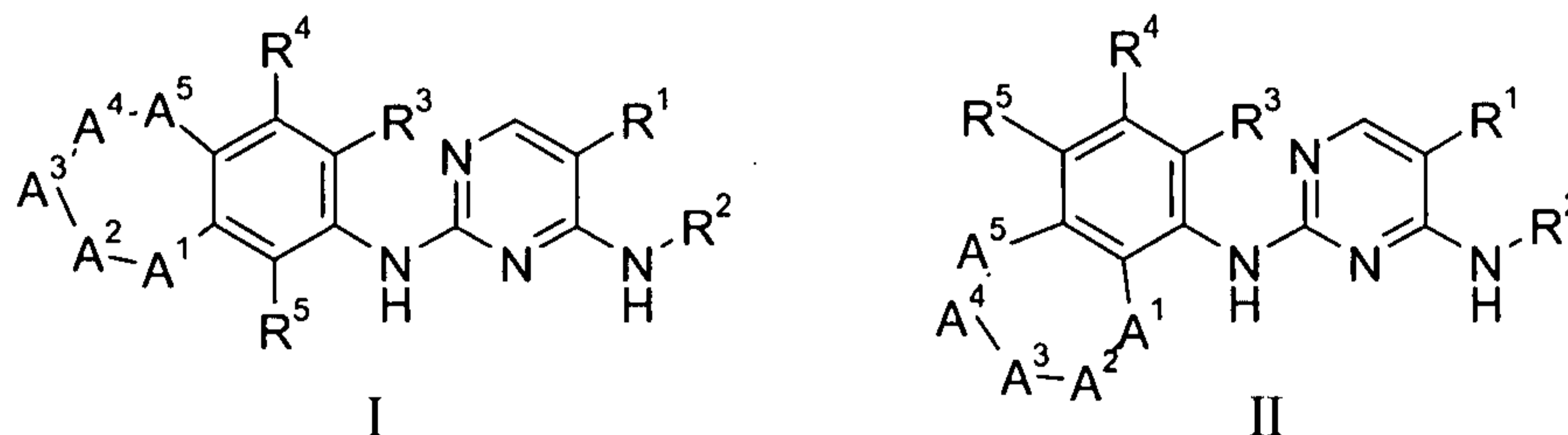
c-Met is implicated in the progression of certain tumors. c-Met overexpression has been shown in numerous tumor types including colon, breast, renal, lung, hemangiomas, squamous cell myeloid leukemia, melanomas, glioblastomas, and astrocytomas. (Maulik et al., *Cytokine & Growth Factor Reviews*, **2002**, 13, 41-59 ; Funakoshi et al., *Clinica Chimica Acta*, **2003**, 1-23; Longati et al., *Curr. Drug Targets*, **2001**, 2, 41-55). Activation of tumor cell c-Met receptors enhances tumor cell proliferation, invasion/metastasis, and resistance to apoptosis and cytotoxic therapies.

A c-Met inhibitor would be expected to have potent anti-tumor effects in many cancers and proliferative disorders through multiple complimentary mechanisms including increased sensitivity to conventional cytotoxic therapies. Various c-Met inhibitors have been reported, such as aminoheteroaryl compounds (WO 2004/076412; WO 2005/082411; US 2005/0009840), 5-6 bicyclic heterocycles (WO 2005/028475), monocyclic heterocycles (US 2005/0245530), bicyclic heterocycles (US 2005/0239820), triazolotriazine compounds (WO 2005/010005; US 2005/0075340), triarylimidazoles (US 2005/0085473), indolinone hydrazides (WO 2005/005378), tetracyclic compounds (WO 2005/004808), imidazole derivatives (WO 2005/040154), quinolines and quinazolines (WO 2005/030140), and quinolinoxynaphthalenes (WO 2005/070891). (See also Sattler, M., et al., *Cancer Res.*, **2003**, 63, 5462-5469; Christensen, J.G., et al., *Cancer Res.*, **2003**, 63, 7345-7355).

A need exists for ALK and c-Met inhibitors for use as pharmaceutical agents.

## SUMMARY OF THE INVENTION

The present invention provides a compound of formula I or II



or a pharmaceutically acceptable salt form thereof, wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$ ,  $A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$ , are as defined herein.

The compounds of formula I and II have ALK and/or c-Met inhibitory activity, and may be used to treat ALK- or c-Met-mediated disorders or conditions.

The present invention further provides a pharmaceutical composition comprising at least one compound of the present invention together with at least one pharmaceutically acceptable carrier, diluent, or excipient therefor.

In another aspect, the present invention provides a method of treating a subject suffering from an ALK- or c-Met-mediated disorder or condition comprising: administering to the subject the pharmaceutical composition of the present invention.

The present invention further provides a method of treating a proliferative disorder in a subject, comprising administering to the subject a therapeutically effective amount of a compound of the present invention.

## DETAILED DESCRIPTION OF THE INVENTION

### I. Definitions

As used herein, the following terms have the meanings ascribed to them unless specified otherwise.

"Alkyl" or "alkyl group" includes both straight and branched chain aliphatic hydrocarbon groups. Examples of straight-chain alkyl groups include, but are not limited to, methyl, ethyl, n-propyl, n-butyl, n-pentyl, n-hexyl, n-heptyl, n-octyl, n-nonyl, n-decyl, etc. Examples of branched-chain alkyl groups include, but are not limited to, isopropyl, tert-butyl, isobutyl, etc. Alkyl groups typically contain 1-10 carbon atoms, such as 1-6 carbon atoms.

The term " $C_{x-y}$ " indicates the number of carbon atoms in a group. For example, a " $C_{1-6}$ -alkyl" is an alkyl group having from one (1) to six (6) carbon atoms. In some instances,  $x = 0$ , i.e., " $C_{0-y}$ ". The term " $C_{0-y}$ " indicates that the group may be absent or



present, and if present, defines the number of carbon atoms in the group. For example, “C<sub>0-6</sub>-alkyl” indicates that an alkyl group may be absent (x = 0) or present (x = 1-6), and if present contains from one (1) to six (6) carbon atoms. For example, “-C<sub>0-6</sub>-alkyl-C(=O)-C<sub>0-6</sub>-alkyl-” includes -C(=O)-, -C<sub>1-6</sub>-alkyl-C(=O)-, and -C<sub>1-6</sub>-alkyl-C(=O)-C<sub>1-6</sub>-alkyl-.

5 Examples of -C<sub>0-6</sub>-alkyl-C(=O)-C<sub>0-6</sub>-alkyl- include, but are not limited to, -C(=O)-, -CH<sub>2</sub>CH<sub>2</sub>-C(=O)-, and -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>-C(=O)-CH<sub>2</sub>-.

The term “alkyl-(R)<sub>x</sub>”, wherein “x is chosen from 0, 1, 2, 3, 4, 5, and 6” refers to an alkyl group that is substituted at any position(s) by 0, 1, 2, 3, 4, 5, or 6 identical or different “R” substituents. For example, in the group -CH<sub>2</sub>CF<sub>2</sub>CH<sub>3</sub>, R = F and x = 2. In  
10 the group -CH<sub>2</sub>CH(OH)CF<sub>3</sub>, R = F, -OH and x = 4. In the group -CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, x = 0.

“Alkenyl” or “alkenyl group” includes straight and branched chain unsaturated alkyl groups which have two (2) or more carbon atoms and at least one double bond. Examples include, but are not limited to, ethenyl, 3-buten-1-yl, 2-ethenylbutyl, and 3-hexen-1-yl.

15 “Alkynyl” or “alkynyl group” includes straight and branched chain unsaturated alkyl groups which have two (2) or more carbon atoms and at least one triple bond. Examples include, but are not limited to, ethynyl, 3-butyn-1-yl, propynyl, 2-butyn-1-yl, and 3-pentyn-1-yl.

“Haloalkyl” or “haloalkyl group” refers to alkyl groups in which one or more  
20 hydrogen atoms are replaced by halogen atoms. Haloalkyl includes both saturated alkyl groups and unsaturated alkenyl and alkynyl groups, such as for example -CF<sub>3</sub>, -CHF<sub>2</sub>, -CH<sub>2</sub>F, -CF<sub>2</sub>CF<sub>3</sub>, -CHF<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CF<sub>2</sub>CH<sub>3</sub>, -CHFCH<sub>3</sub>, -CF<sub>2</sub>CF<sub>2</sub>CF<sub>3</sub>, -CF<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CF=CF<sub>2</sub>, -CCl=CH<sub>2</sub>, -CBr=CH<sub>2</sub>, -Cl=CH<sub>2</sub>, -C≡C-CF<sub>3</sub>, -CHFCH<sub>2</sub>CH<sub>3</sub> and -CHFCH<sub>2</sub>CF<sub>3</sub>.

25 “Halogen” includes fluorine, chlorine, bromine and iodine atoms.

“Pseudohalogen” refers to -OCN, -SCN, -CF<sub>3</sub>, and -CN.

“Cycloalkyl” or “cycloalkyl group” includes monocyclic, bicyclic, tricyclic, bridged bicyclic and bridged tricyclic non-aromatic carbocyclic rings, which may be saturated or unsaturated. Examples include, but are not limited to, cyclopropyl,  
30 cyclopropenyl, cyclobutyl, cyclobutenyl, cyclopentyl, cyclopentenyl, cyclohexyl, cyclohexenyl, norbornyl, norbornenyl, bicyclo[2.2.1]hexane, bicyclo[2.2.1]heptane, bicyclo[2.2.1]heptene, bicyclo[3.1.1]heptane, bicyclo[3.2.1]octane, bicyclo[2.2.2]octane, bicyclo[3.2.2]nonane, bicyclo[3.3.1]nonane, and bicyclo[3.3.2]decane.

Preferably, the cycloalkyl group contains from 3 to 10 ring atoms. More preferably, the cycloalkyl group contains from 3 to 7 ring atoms, such as 3 ring atoms, 5 ring atoms, 6 ring atoms, or 7 ring atoms.

A cycloalkyl group can also include ring systems substituted on ring carbons with one or more -OH functional groups (which may further tautomerize to give a ring C=O group).

“Heterocycloalkyl” or “heterocycloalkyl group” includes 3-15 membered monocyclic, bicyclic, and tricyclic non-aromatic rings, which may be saturated or unsaturated, and which contain, in addition to carbon atom(s), at least one heteroatom, such as nitrogen, oxygen or sulfur. Examples include, but are not limited to, tetrahydrofuranyl, pyrrolidinyl, pyrrolinyl, imidazolidinyl, imidazoliny, pyrazolidinyl, pyrazolinyl, piperidyl, piperazinyl, indoliny, isoindoliny, morpholiny, thiomorpholiny, homomorpholiny, homopiperidyl, homopiperazinyl, thiomorpholiny-5-oxide, thiomorpholiny-S,S-dioxide, pyrrolidinyl, tetrahydropyranyl, piperidinyl, tetrahydrothienyl, homopiperidinyl, homothiomorpholiny-S,S-dioxide, oxazolidinonyl, dihydropyrazolyl, dihydropyrrolyl, dihydropyrazinyl, dihydropyridinyl, dihydropyrimidinyl, dihydrofuryl, dihydropyranyl, tetrahydrothienyl-5-oxide, tetrahydrothienyl-S,S-dioxide, homothiomorpholiny-5-oxide, quinuclidinyl, 2-oxa-5-azabicyclo[2.2.1]heptane, 8-oxa-3-aza-bicyclo[3.2.1]octane, 3,8-diaza-bicyclo[3.2.1]octane, 2,5-diaza-bicyclo[2.2.1]heptane, 3,8-diaza-bicyclo[3.2.1]octane, 3,9-diaza-bicyclo[4.2.1]nonane and 2,6-diaza-bicyclo[3.2.2]nonane.

Preferably, the heterocycloalkyl group contains from 3 to 10 ring atoms. More preferably, the heterocycloalkyl group contains from 3 to 7 ring atoms. More preferably, the heterocycloalkyl group contains from 5 to 7 ring atoms, such as 5 ring atoms, 6 ring atoms, or 7 ring atoms.

Unless otherwise indicated, the foregoing heterocycloalkyl groups can be C-attached or N-attached where such is possible and results in the creation of a stable structure. For example, piperidinyl can be piperidin-1-yl (N-attached) or piperidin-4-yl (C-attached).

A heterocycloalkyl group can also include ring systems substituted on ring carbons with one or more -OH functional groups (which may further tautomerize to give a ring C=O group) and/or substituted on a ring sulfur atom by one (1) or two (2) oxygen atoms to give S=O or SO<sub>2</sub> groups, respectively.



“Aryl” or “aryl group” includes phenyl and 7-15 membered bicyclic or tricyclic hydrocarbon ring systems in which at least one of the rings is aromatic. Examples include, but are not limited to, naphthyl, indanyl, 1,2,3,4-tetrahydronaphthalenyl, 6,7,8,9-tetrahydro-5H-benzocycloheptenyl, and 6,7,8,9-tetrahydro-5H-benzocycloheptenyl.

5 Preferably, the aryl group contains 6 (i.e., phenyl) or 9 to 15 ring atoms. More preferably, the aryl group contains 6 (i.e., phenyl), 9 or 10 ring atoms.

An aryl group can also include ring systems substituted on ring carbons with one or more –OH functional groups (which may further tautomerize to give a ring C=O group).

10 “Heteroaryl” or “heteroaryl group” includes (a) 5 and 6 membered monocyclic aromatic rings, which contain, in addition to carbon atom(s), at least one heteroatom, such as nitrogen, oxygen or sulfur, and (b) 7-15 membered bicyclic and tricyclic rings, which contain, in addition to carbon atom(s), at least one heteroatom, such as nitrogen, oxygen or sulfur, and in which at least one of the rings is aromatic. Examples include, but are not  
 15 limited to, 2,3-dihydrobenzofuranyl, 1,2-dihydroquinolinyl, 3,4-dihydroisoquinolinyl, 1,2,3,4-tetrahydroisoquinolinyl, 1,2,3,4-tetrahydroquinolinyl, benzoxazinyl, benzthiazinyl, chromanyl, furanyl, 2-furanyl, 3-furanyl, imidazolyl, isoxazolyl, isothiazolyl, oxadiazolyl, oxazolyl, pyridinyl, 2-, 3-, or 4-pyridinyl, pyrimidinyl, 2-, 4-, or 5-pyrimidinyl, pyrazolyl, pyrrolyl, 2- or 3-pyrrolyl, pyrazinyl, pyridazinyl, 3- or 4-pyridazinyl, 2-pyrazinyl, thienyl,  
 20 2-thienyl, 3- thienyl, tetrazolyl, thiazolyl, thiadiazolyl, triazinyl, triazolyl, pyridin-2-yl, pyridin-4-yl, pyrimidin-2-yl, pyridazin-4-yl, pyrazin-2-yl, naphthyridinyl, pteridinyl, phthalazinyl, purinyl, alloxazinyl, benzimidazolyl, benzofuranyl, benzofurazanyl, 2H-1-benzopyranyl, benzothiadiazine, benzothiazinyl, benzothiazolyl, benzothiophenyl, benzoxazolyl, cinnolinyl, furopyridinyl, indolinyl, indolizinyll, indolyl, or 2-, 3-, 4-, 5-, 6-,  
 25 or 7-indolyl, 3H-indolyl, quinazolinyl, quinoxalinyl, isoindolyl, isoquinolinyl, 10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trienyl, 12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trienyl, 12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trienyl, 10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2(7),3,5-trienyl, 2,3,4,5-tetrahydro-1H-benzo[d]azepinyl, 1,3,4,5-tetrahydro-benzo[d]azepin-2-onyl, 1,3,4,5-tetrahydro-benzo[b]azepin-2-onyl, 2,3,4,5-tetrahydro-benzo[c]azepin-1-onyl, 1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-onyl, 2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepinyl, 5,6,8,9-tetrahydro-7-oxa-benzocycloheptenyl, 2,3,4,5-tetrahydro-1H-benzo[b]azepinyl, 1,2,4,5-tetrahydro-benzo[e][1,3]diazepin-3-onyl, 3,4-dihydro-2H-benzo[b][1,4]dioxepinyl, 3,4-dihydro-2H-benzo[f][1,4]oxazepin-5-onyl, 6,7,8,9-tetrahydro-5-thia-8-aza-

benzocycloheptenyl, 5,5-dioxo-6,7,8,9-tetrahydro-5-thia-8-aza-benzocycloheptenyl, and 2,3,4,5-tetrahydro-benzo[f][1,4]oxazepinyl.

Preferably, the heteroaryl group contains 5, 6, or 8-15 ring atoms. More preferably, the heteroaryl group contains 5 to 10 ring atoms, such as 5, 6, 9, or 10 ring atoms.

A heteroaryl group can also include ring systems substituted on ring carbons with one or more -OH or C=O functional groups and/or substituted on a ring sulfur atom by one (1) or two (2) oxygen atoms to give S=O or SO<sub>2</sub> groups, respectively.

“Chemically stable” or “stable” refers to a compound that is sufficiently robust to be isolated to a useful degree of purity from a reaction mixture, and then incorporated into a pharmaceutical composition. The present invention is directed only to stable compounds.

“Pharmaceutical composition” refers to a composition suitable for administration in medical or veterinary use.

When lists of alternative substituents include members which, owing to valency requirements, chemical stability, or other reasons, cannot be used to substitute a particular group, the list is intended to be read in context to include those members of the list that are suitable for substituting the particular group. For example, when R<sup>2</sup> is substituted by a group of formula C<sub>1-6</sub>-alkyl-(R<sup>25</sup>)<sub>x</sub>, and the C<sub>1-6</sub>-alkyl group is methyl, then the variable “x” cannot be 4, 5, or 6.

“Functionalized derivative” refers to a compound that contains at least one additional functional group as compared to a reference compound. An example of a functionalized derivative of benzene is bromobenzene. An example of a functionalized derivative of bromobenzene is 2-bromophenol. Functional groups include, but are not limited to, halogen, nitro, hydroxy, alkoxy, aryloxy, ketone, ester, amide, amino, alkylamino, alkyl, double bond, triple bond, alkoxyalkyl, aminoalkyl, haloalkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocycloalkyl, pseudohalogen, alkylthio, sulfonyl, alkylsulfonyl, alkylaminosulfonyl, alkylcarbonyloxy, aminocarbonyloxy, alkylaminocarbonyloxy, alkylcarbonylamino, alkoxy carbonylamino, alkylsulfonylamino, aminocarbonylamino, and alkylaminocarbonylamino functional group, and derivatives of these and other functional groups in which a heteroatom is derivatized with a removable protecting group.



“Pharmaceutically acceptable” refers to physiologically tolerable materials, which do not typically produce an allergic or other untoward reaction, such as gastric upset, dizziness and the like, when administered to a mammal.

“Therapeutically effective amount” refers to an amount of a compound, or a pharmaceutically acceptable salt thereof, sufficient to inhibit, halt, or cause an improvement in a disorder or condition being treated in a particular subject or subject population. For example in a human or other mammal, a therapeutically effective amount can be determined experimentally in a laboratory or clinical setting, or may be the amount required by the guidelines of the United States Food and Drug Administration, or equivalent foreign agency, for the particular disease and subject being treated.

It should be appreciated that determination of proper dosage forms, dosage amounts, and routes of administration is within the level of ordinary skill in the pharmaceutical and medical arts, and is described below.

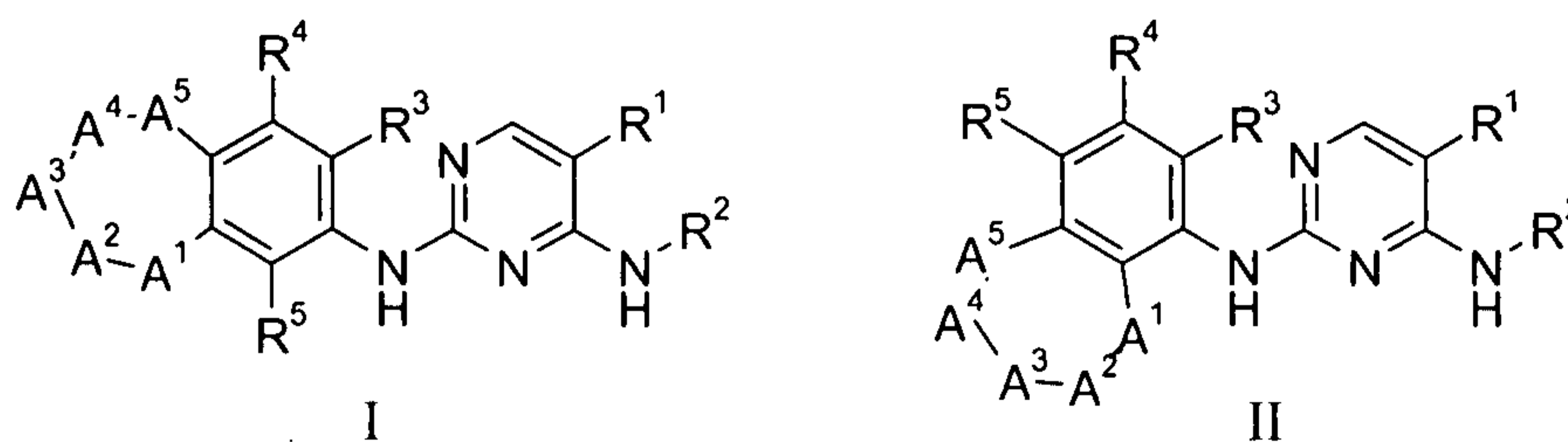
“Subject” refers to a member of the class Mammalia. Examples of mammals include, without limitation, humans, primates, chimpanzees, rodents, mice, rats, rabbits, horses, livestock, dogs, cats, sheep, and cows.

“Treatment” refers to the acute or prophylactic diminishment or alleviation of at least one symptom or characteristic associated or caused by a disorder being treated. For example, treatment can include diminishment of several symptoms of a disorder or complete eradication of a disorder.

“Administering” refers to the method of contacting a compound with a subject. Modes of “administering” include, but are not limited to, methods that involve contacting the compound intravenously, intraperitoneally, intranasally, transdermally, topically, via implantation, subcutaneously, parentally, intramuscularly, orally, systemically, and via adsorption.

## II. Compounds

In one embodiment, the present invention provides a compound of formula I or II



or a pharmaceutically acceptable salt form thereof,

wherein

$R^1$  is H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{R}^{10}$ ,  $-\text{C}(=\text{O})\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{R}^{11}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{10}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{12}\text{R}^{13}$ ,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{10}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{10}$ ,  $-\text{OC}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{OR}^{11}$ ,  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ , or  $-\text{SCF}_3$ ;

$R^2$  is a group chosen from  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl,  $\text{C}_{3-10}$ -cycloalkyl, 3-15 membered heterocycloalkyl, and 5-15 membered heteroaryl, wherein the  $R^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $=\text{O}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{R}^{21}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{25})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{25})_x$ , 5-15 membered heteroaryl- $(\text{R}^{25})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{25})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{25})_x$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{20}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{20}$ ,  $-\text{OC}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ , and  $-\text{SCF}_3$ ;

$R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{C}(=\text{O})\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{35})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{35})_x$ , 5-15 membered heteroaryl- $(\text{R}^{35})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{35})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{35})_x$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{30}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{30}$ ,  $-\text{OC}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{OR}^{31}$ ,  $-\text{NR}^{30}\text{S}(=\text{O})_2\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ , and  $-\text{SCF}_3$ ;

$A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  are each independently  $-\text{CZ}^1\text{Z}^2-$ ,  $-(\text{CZ}^1\text{Z}^2)_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$ ,  $-\text{S}(=\text{O})_2-$ , or  $-\text{O}-$ , with the proviso that at most one of  $A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  is  $-(\text{CZ}^1\text{Z}^2)_2-$ , wherein:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{40}$ ,  $-\text{C}(=\text{O})\text{R}^{40}$ ,  $-\text{C}(=\text{O})\text{OR}^{40}$ ,  $-\text{C}(=\text{O})\text{NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{45})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{45})_x$ , 5-15 membered heteroaryl- $(\text{R}^{45})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{45})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{45})_x$ ,  $\text{C}_{2-6}$ -alkenyl-



$(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , pseudohalogen,  $-S(=O)_nR^{40}$ ,  $-S(=O)_2NR^{42}R^{43}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{40}$ ,  $-OC(=O)NR^{42}R^{43}$ ,  $-NR^{40}C(=O)R^{41}$ ,  $-NR^{40}C(=O)OR^{41}$ ,  $-NR^{40}S(=O)_2R^{41}$ ,  $-NR^{40}C(=O)NR^{42}R^{43}$ ,  $-NR^{40}S(=O)_2NR^{42}R^{43}$ , and  $-SCF_3$ , and

5 (c) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ ,

wherein  $A^6$ ,  $A^7$ ,  $A^8$ ,  $A^9$ , and  $A^{10}$  are independently chosen from a bond,  $-CZ^4Z^5-$ ,  $-C(=O)-$ ,  $-NZ^6-$ ,  $-S-$ ,  $-S(=O)-$ ,  $-S(=O)_2-$ , or  $-O-$ , wherein:

- 10 (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any of  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from
- 15 H, halogen,  $-NO_2$ ,  $-OR^{50}$ ,  $-C(=O)R^{50}$ ,  $-C(=O)OR^{50}$ ,  $-C(=O)NR^{52}R^{53}$ ,  $-NR^{50}R^{51}$ ,  $C_{1-6}$ -alkyl- $(R^{55})_x$ ,  $C_{6-15}$ -aryl- $(R^{55})_x$ , 5-15 membered heteroaryl- $(R^{55})_x$ ,  $C_{3-10}$  cycloalkyl- $(R^{55})_x$ , 3-15 membered heterocycloalkyl- $(R^{55})_x$ , pseudohalogen,  $-S(=O)_nR^{50}$ ,  $-S(=O)_2NR^{52}R^{53}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{50}$ ,  $-OC(=O)NR^{52}R^{53}$ ,  $-NR^{50}C(=O)R^{51}$ ,  $-NR^{50}C(=O)OR^{51}$ ,  $-NR^{50}S(=O)_2R^{51}$ ,  $-NR^{50}C(=O)NR^{52}R^{53}$ ,  $-NR^{50}S(=O)_2NR^{52}R^{53}$ , and  $-SCF_3$ ;
- 20

$R^{25}$ ,  $R^{35}$ ,  $R^{45}$ , and  $R^{55}$  at each occurrence are independently chosen from halogen,  $-NO_2$ ,  $-OR^{60}$ ,  $-O$ ,  $-C(=O)R^{60}$ ,  $-C(=O)OR^{60}$ ,  $-C(=O)NR^{62}R^{63}$ ,  $-NR^{60}R^{61}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $O-C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-S(=O)_nR^{60}$ ,  $-S(=O)_2NR^{62}R^{63}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{60}$ ,  $-OC(=O)NR^{62}R^{63}$ ,  $-OP(=O)(OH)_2$ ,  $-NR^{60}C(=O)R^{61}$ ,  $-NR^{60}C(=O)OR^{61}$ ,  $-NR^{60}S(=O)_2R^{61}$ ,  $-NR^{60}C(=O)NR^{62}R^{63}$ ,  $-NR^{60}S(=O)_2NR^{62}R^{63}$ , and  $-SCF_3$ , in which said  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, halogen, cyano,  $C_{3-10}$  cycloalkyl, phenyl, 5-10 membered heteroaryl-

$(R^{79})_x$ , 3-10 membered heterocycloalkyl,  $-N(R^{76})_2$ ,  $-C(=O)OR^{76}$ ,  $-C(=O)N(R^{76})_2$ ,  $=O$ , and  $-OR^{76}$ ;

$R^{10}$ ,  $R^{11}$ ,  $R^{20}$ ,  $R^{21}$ ,  $R^{30}$ ,  $R^{31}$ ,  $R^{40}$ ,  $R^{41}$ ,  $R^{50}$ ,  $R^{51}$ ,  $R^{60}$ , and  $R^{61}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, halogen, cyano, phenyl, 5-10 membered heteroaryl- $(R^{79})_x$ , 3-10 membered heterocycloalkyl,  $-N(R^{76})_2$ ,  $-C(=O)OR^{76}$ ,  $-C(=O)N(R^{76})_2$ ,  $=O$ , and  $-OR^{76}$ ;

$R^{12}$ ,  $R^{13}$ ,  $R^{22}$ ,  $R^{23}$ ,  $R^{32}$ ,  $R^{33}$ ,  $R^{42}$ ,  $R^{43}$ ,  $R^{52}$ ,  $R^{53}$ ,  $R^{62}$ , and  $R^{63}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen,  $C_{3-10}$  cycloalkyl, 3-10 membered heterocycloalkyl- $(R^{87})_x$ ,  $-N(R^{86})_2$ , cyano,  $C_{2-6}$ -alkynyl,  $=O$ , and  $-OR^{86}$ ;

or  $R^{12}$  and  $R^{13}$ ,  $R^{22}$  and  $R^{23}$ ,  $R^{32}$  and  $R^{33}$ ,  $R^{42}$  and  $R^{43}$ ,  $R^{52}$  and  $R^{53}$ , or  $R^{62}$  and  $R^{63}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ ;

$R^{76}$  and  $R^{86}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl- $(R^{78})_x$ , and  $-C(=O)-C_{1-6}$ -alkyl;

$R^{78}$  at each occurrence is independently chosen from  $=O$  and phenyl;  $R^{79}$  at each occurrence is  $=O$ ;

$R^{87}$  at each occurrence is independently chosen from  $C_{1-6}$ -alkyl;

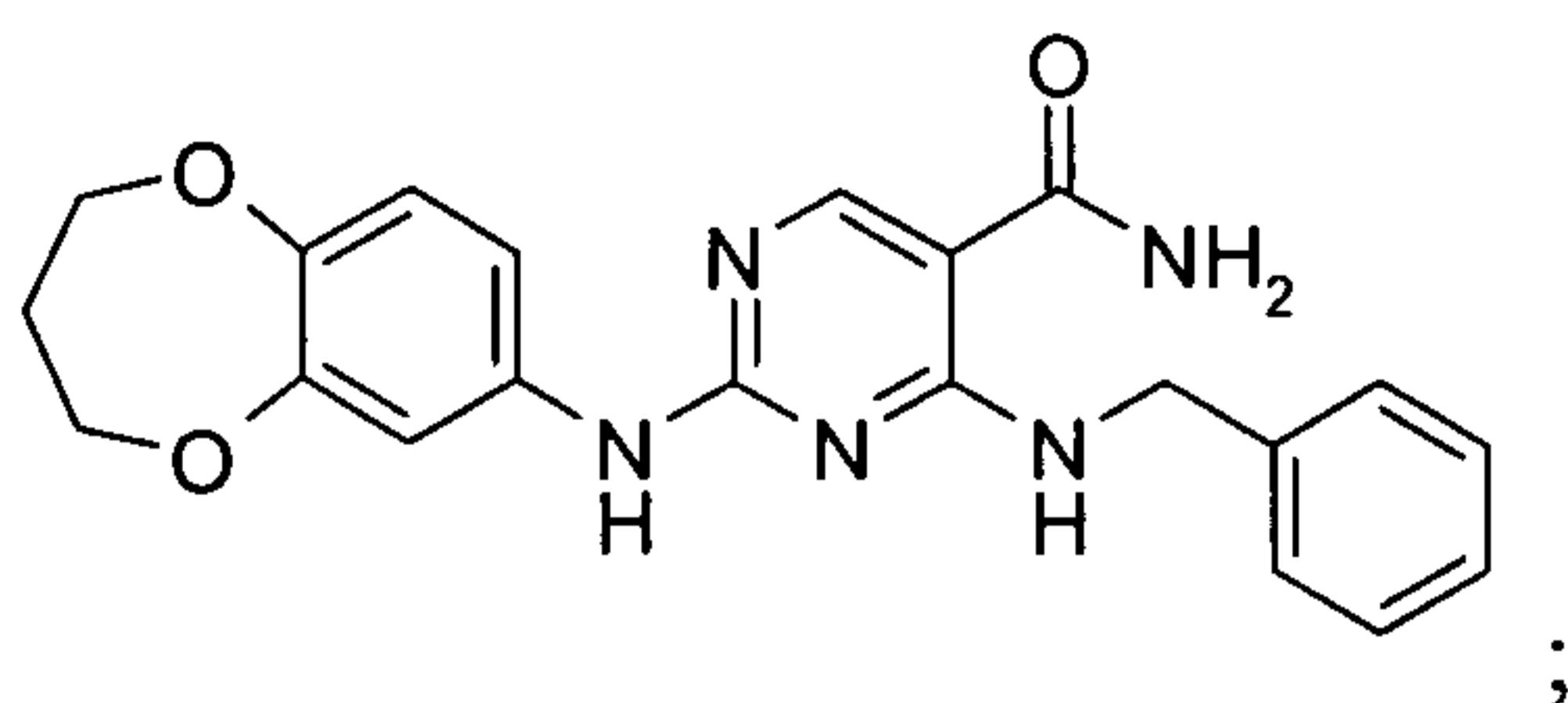
$n$  at each occurrence is independently chosen from 0, 1, and 2; and

$x$  at each occurrence is independently chosen from 0, 1, 2, 3, 4, 5, and 6;

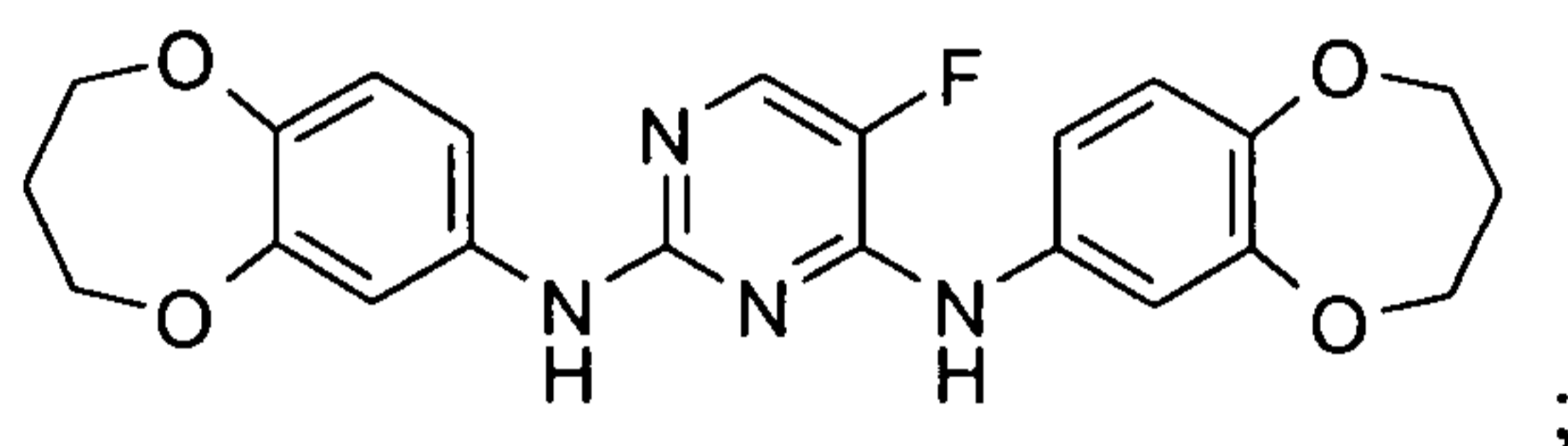
with the proviso that the compound is not:



(a)

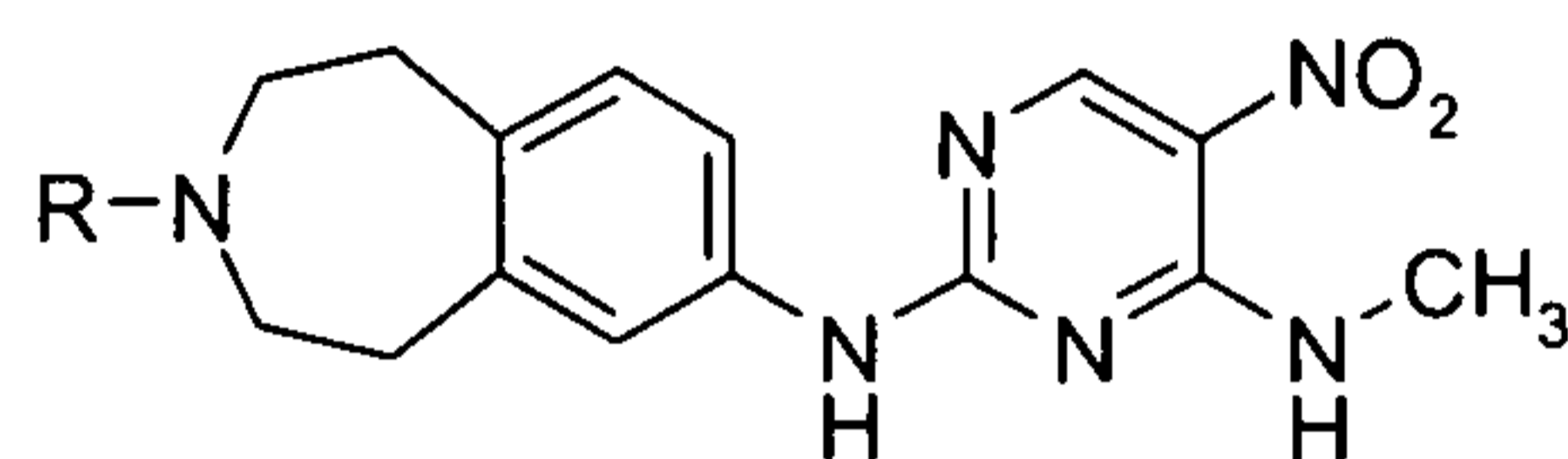


(b)



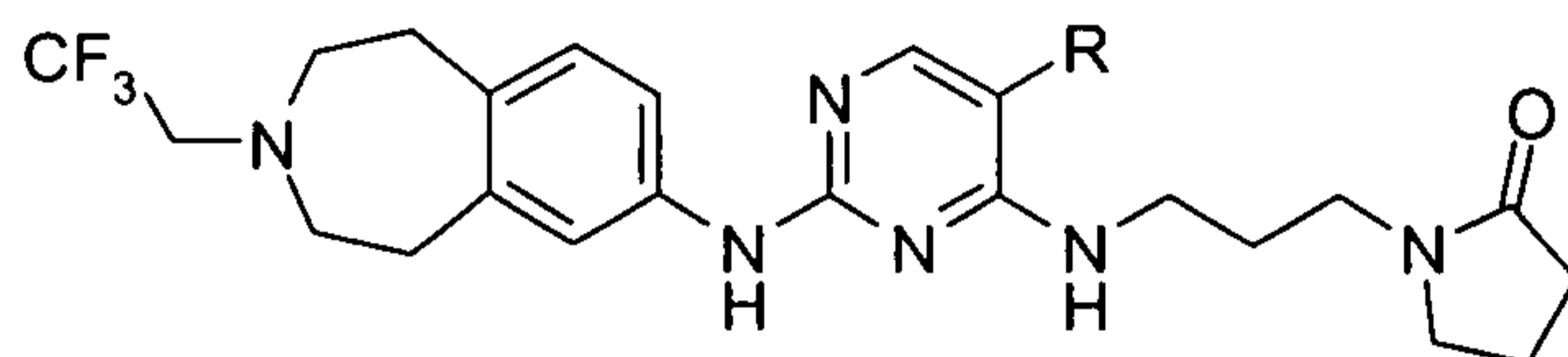
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(c)



wherein R = H or  $-\text{C}(=\text{O})\text{CF}_3$ ;

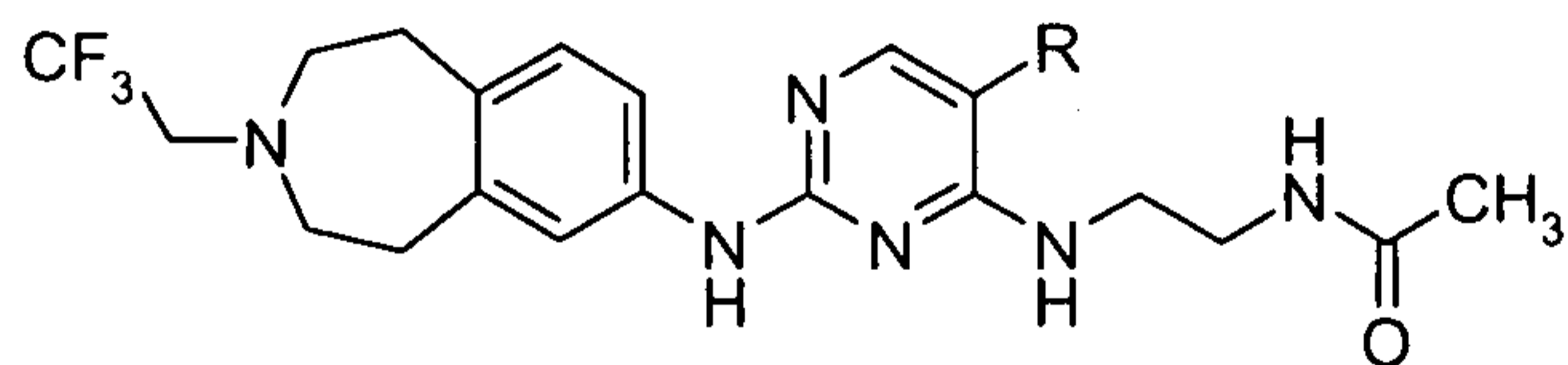
(d)



10

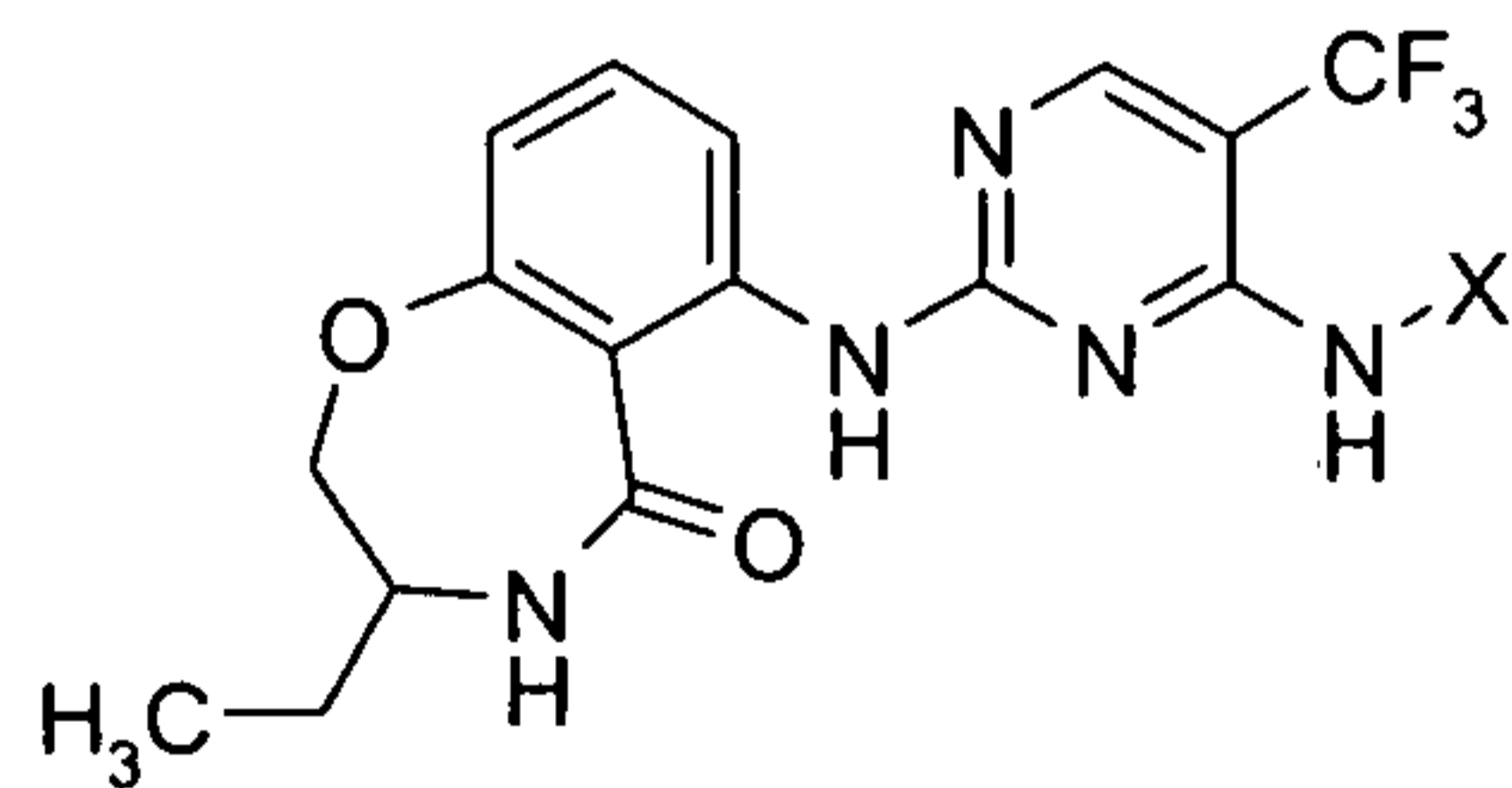
wherein R = Br, Cl,  $\text{CH}_3$ , or  $\text{CF}_3$ ;

(e)

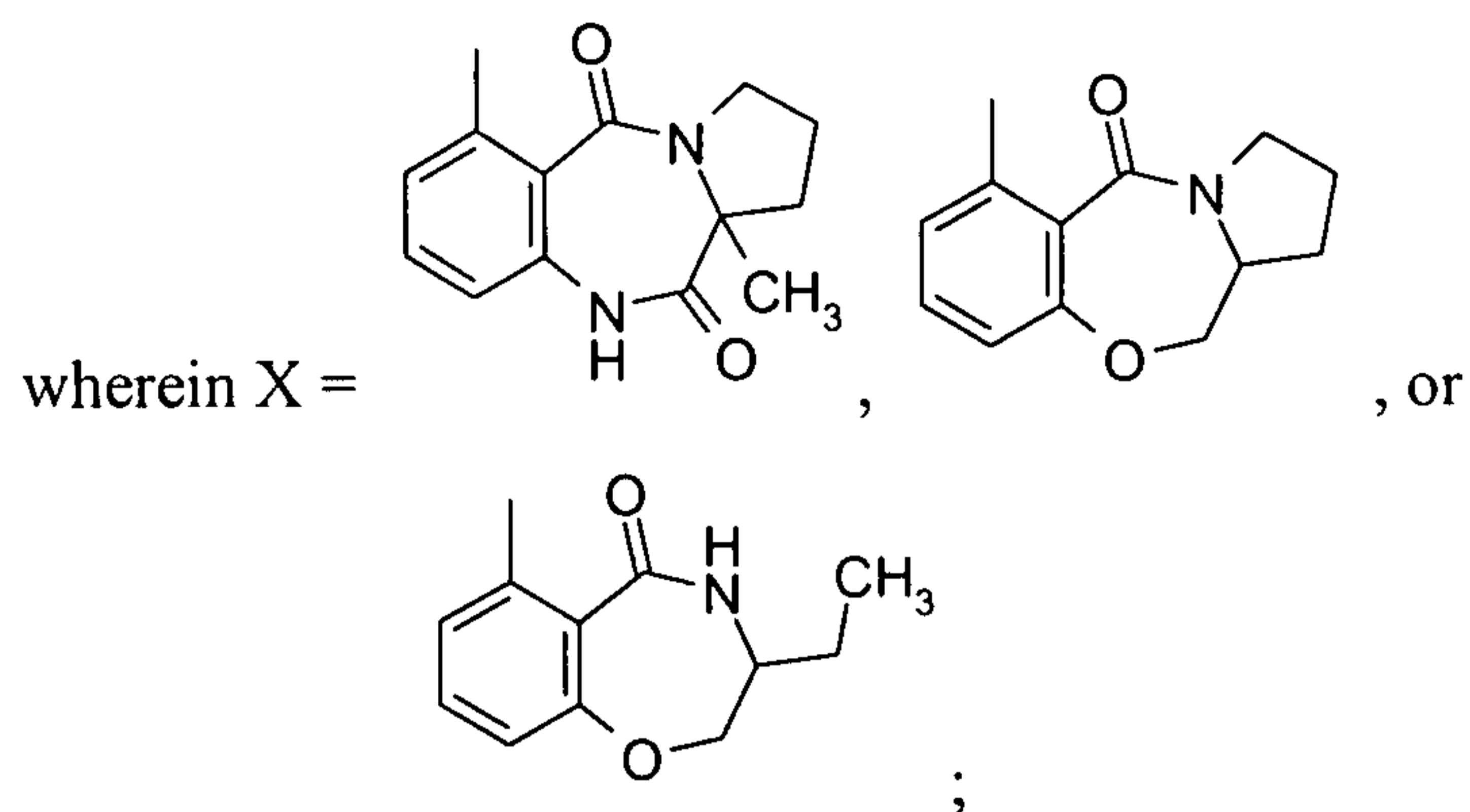


wherein R = Br, Cl, or  $\text{CH}_3$ ;

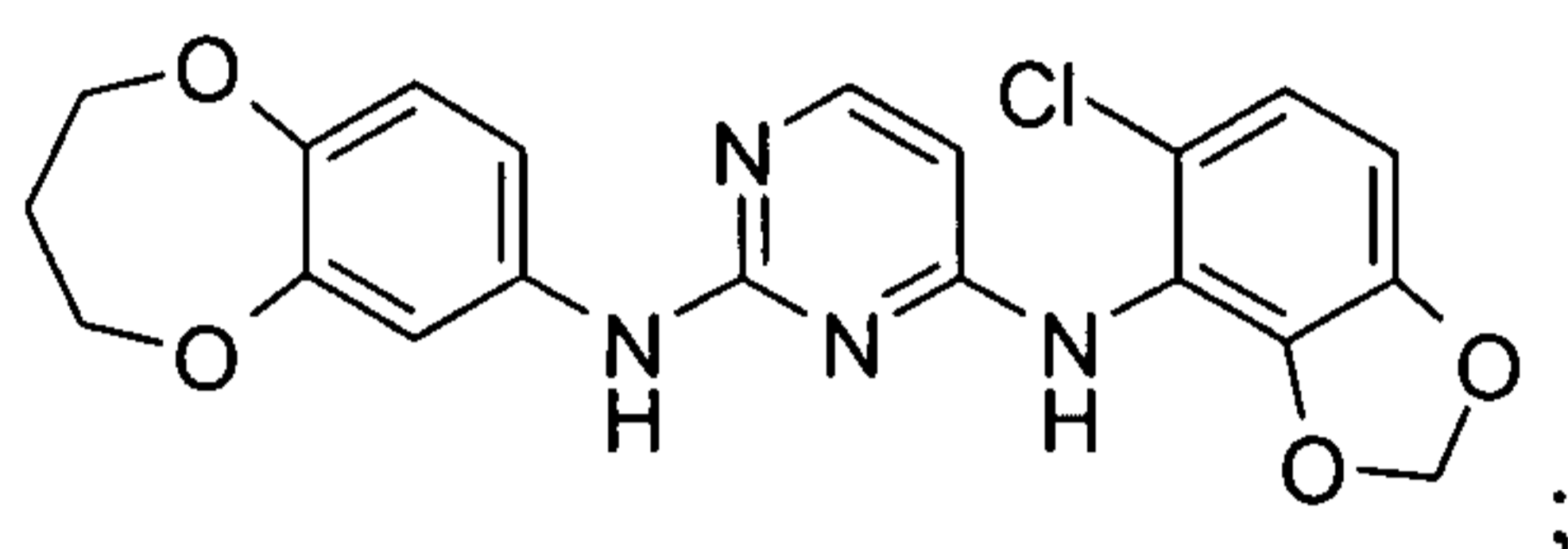
(f)



15

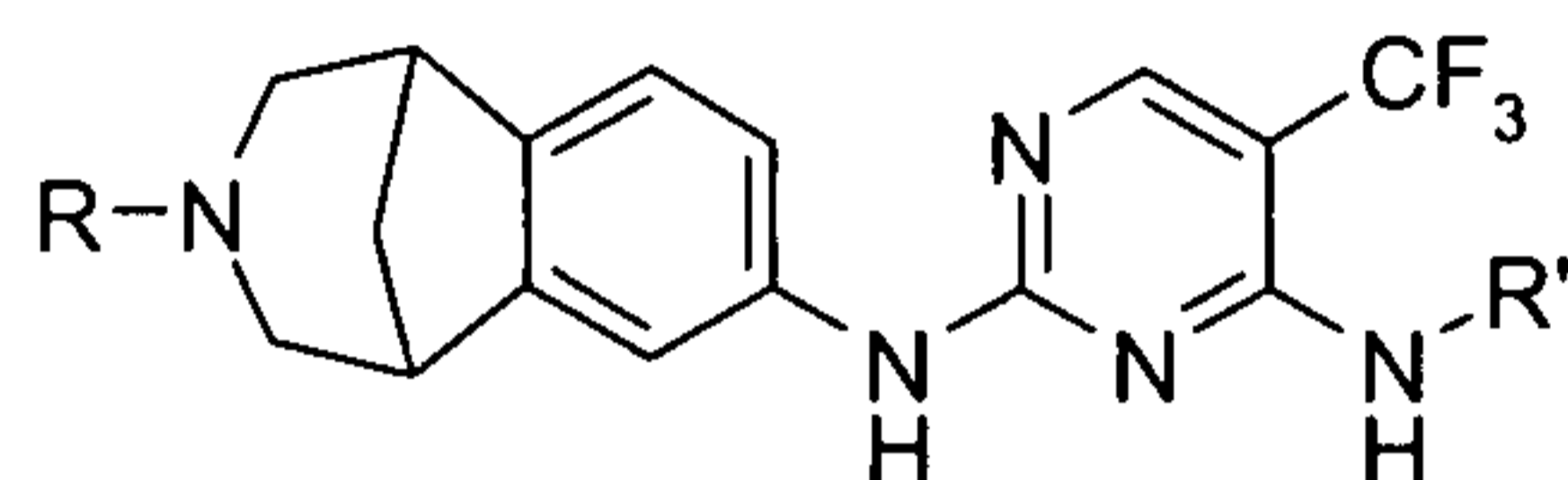


(g)



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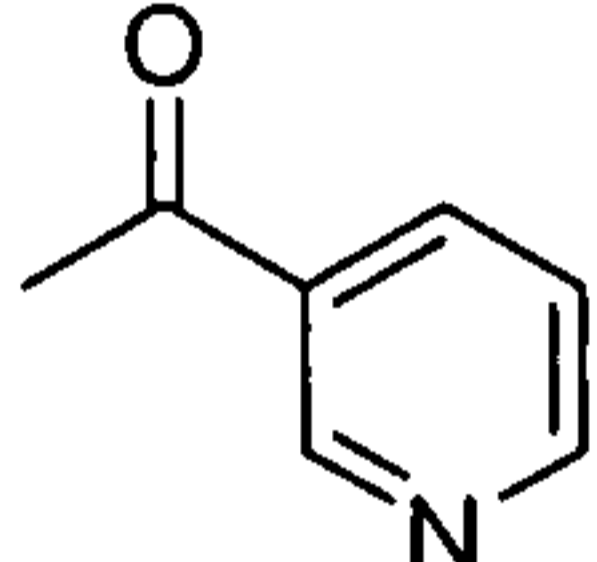
(h)



wherein

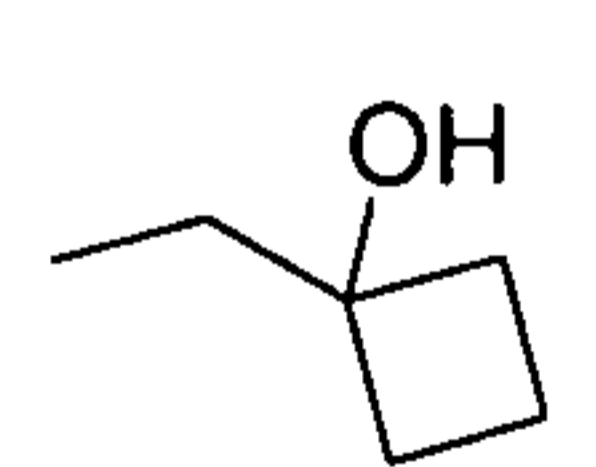
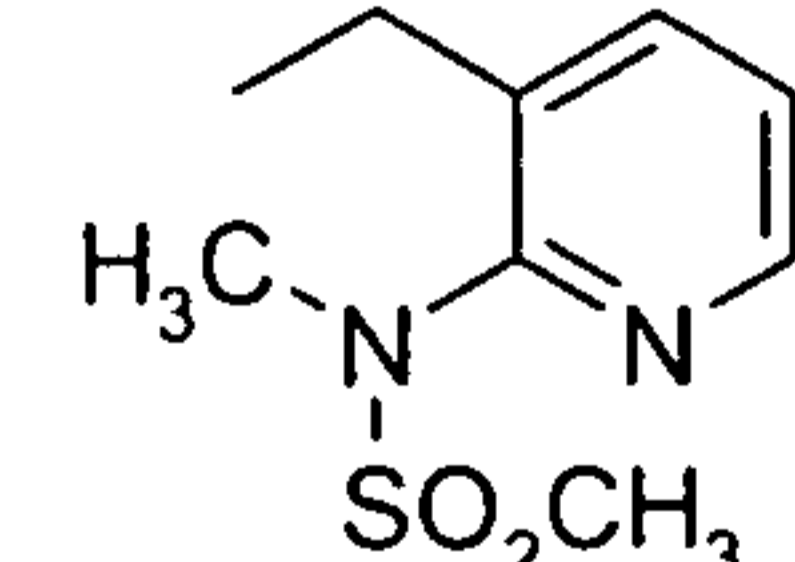
R = H, ethyl,  $-C(=O)CH_3$ ,  $-C(=O)CH(CH_3)_2$ ,  $-C(=O)CH_2OCH_3$ ,  $-C(=O)NHCH(CH_3)_2$ ,  $-C(=O)CH_2NHC(=O)CH_3$ ,  $-C(=O)CHF_2$ , -

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$C(=O)CF_3$ ,  $-C(=O)NHCH_2CH_3$ ,  $-C(=O)CH_2N(CH_3)_2$ , , 2-pyridyl, or  $S(=O)_2CH_3$ ,

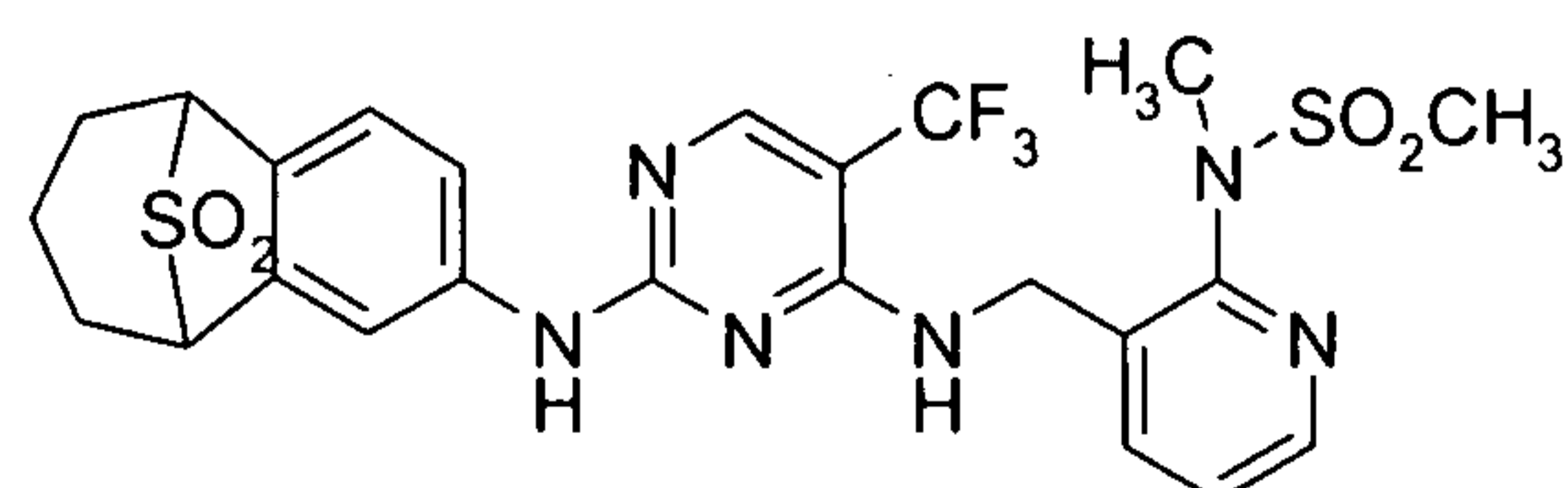
and

R' = cyclopropyl, cyclobutyl,  $-CH_2$ -cyclopropyl, ethyl,  $-CH(CH_3)_2$ , propyl,

methyl, ,  $-(CH_2)_2OCH_3$ , or  ; or

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(i)



In another embodiment, the compound is a compound of formula I or a pharmaceutically acceptable salt thereof. In another embodiment, the compound is a compound of formula II or a pharmaceutically acceptable salt thereof.

In another embodiment,  $R^1$  is H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{R}^{10}$ ,  $-\text{C}(=\text{O})\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{R}^{11}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{10}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{12}\text{R}^{13}$ ,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{10}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{10}$ ,  $-\text{OC}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{OR}^{11}$ ,  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{R}^{11}$ , or  $-\text{SCF}_3$ . In another embodiment,  $R^1$  is H, halogen, nitro,  $-\text{OR}^{10}$ ,  $-\text{NR}^{10}\text{R}^{11}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{10}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{12}\text{R}^{13}$ ,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl, 5-6 membered heteroaryl, cyclopropyl, 3-6 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{10}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{OR}^{11}$ ,  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{R}^{11}$ , or  $-\text{SCF}_3$ . In another embodiment,  $R^1$  is H, halogen, nitro,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{10}$ , or  $-\text{OCF}_3$ . In another embodiment,  $R^1$  is H, halogen, nitro,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, cyano,  $-\text{S}(=\text{O})_n\text{R}^{10}$ , or  $-\text{OCF}_3$ . In another embodiment,  $R^1$  is halogen, nitro,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, or pseudohalogen. In another embodiment,  $R^1$  is halogen, nitro,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, or cyano. In another embodiment,  $R^1$  is halogen, nitro,  $\text{C}_{1-4}$ -alkyl,  $\text{C}_{1-4}$ -fluoroalkyl, or cyano. In another embodiment,  $R^1$  is halogen or  $\text{C}_{1-4}$ -fluoroalkyl. In another embodiment,  $R^1$  is fluoro, chloro, bromo, nitro, methyl, trifluoromethyl, or cyano. In another embodiment,  $R^1$  is trifluoromethyl or chloro. In another embodiment,  $R^1$  is chloro.

In another embodiment,  $R^1$  is as defined in any of the above embodiments, except that  $R^1$  is not H. In another embodiment,  $R^1$  is as defined in any of the above embodiments, except that  $R^1$  is not  $-\text{C}(=\text{O})\text{NR}^{10}\text{R}^{11}$ . In another embodiment,  $R^1$  is as defined in any of the above embodiments, except that  $R^1$  is not  $-\text{CN}$ . In another embodiment,  $R^1$  is as defined in any of the above embodiments except that  $R^1$  is not  $-\text{NO}_2$ ,  $-\text{C}(=\text{O})\text{R}^{10}$ ,  $-\text{C}(=\text{O})\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{R}^{11}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{10}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{12}\text{R}^{13}$ , 5-15 membered heteroaryl, 4-7 membered alkyleneimino,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{OR}^{11}$ , or  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{R}^{11}$ . In another embodiment,  $R^1$  is as defined in any of the above embodiments, except that  $R^1$  is not H, halogen,  $-\text{NO}_2$ ,  $-\text{C}(=\text{O})\text{O}-\text{C}_{1-6}$ -alkyl,  $-\text{N}(\text{X})_2$ ,  $\text{C}_{1-6}$ -alkyl, dihalomethyl, trihalomethyl, or  $-\text{N}(\text{X})\text{C}(=\text{O})-\text{C}_{1-6}$ -alkyl, wherein X at each occurrence is independently chosen from H and  $\text{C}_{1-6}$ -alkyl. In another embodiment,  $R^1$  is as defined in any of the above embodiments,



except that  $R^1$  is not H, halogen,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-OX,  $-C_{1-6}$ -alkyl-NR<sup>12</sup>R<sup>13</sup>,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{3-8}$  cycloalkyl, or  $-CN$ , wherein X is independently chosen from H and  $C_{1-6}$ -alkyl. In another embodiment,  $R^1$  is as defined in any of the above embodiments, except that  $R^1$  is not H, halogen,  $-NO_2$ ,  $-OX$ ,  $-C(=O)R^{10}$ ,  $-C_{1-6}$ -alkyl-OX, alkyl, phenyl,  $C_{3-10}$ -cycloalkyl,  $-SC_{1-6}$ -alkyl,  $-OCF_3$ , or  $-SCF_3$ , wherein X at each occurrence is independently chosen from H, phenyl, and  $C_{1-6}$ -alkyl.

In another embodiment,  $R^{10}$  and  $R^{11}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ . In another embodiment,  $R^{10}$  and  $R^{11}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{10}$  and  $R^{11}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{10}$  and  $R^{11}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{10}$  and  $R^{11}$  at each occurrence are independently chosen from H and  $C_{1-6}$ -alkyl.

In another embodiment,  $R^{12}$  and  $R^{13}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ ; or  $R^{12}$  and  $R^{13}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally



substituted by one or more substituents independently chosen from C<sub>1-6</sub>-alkyl, halogen, and -OH. In another embodiment, R<sup>12</sup> and R<sup>13</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>12</sup> and R<sup>13</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>12</sup> and R<sup>13</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>12</sup> and R<sup>13</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>12</sup> and R<sup>13</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl; or R<sup>12</sup> and R<sup>13</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment, R<sup>12</sup> and R<sup>13</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment, R<sup>12</sup> and R<sup>13</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH. In another embodiment, R<sup>12</sup> and R<sup>13</sup> at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl.

In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>3-7</sub>-cycloalkyl, 5-7 membered heterocycloalkyl, and 5-11 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>6-10</sub>-aryl, C<sub>3-7</sub>-cycloalkyl, 5-7 membered heterocycloalkyl, and 5-11 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, 5-7 membered heterocycloalkyl, and 5-10 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-</sub>



6-alkyl, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, C<sub>3-10</sub>-cycloalkyl, and 3-15 membered heterocycloalkyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, and 5-7 membered heterocycloalkyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>3-7</sub>-cycloalkyl, 7 membered heterocycloalkyl, and 5-11 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, phenyl, C<sub>9</sub>-aryl, C<sub>3-7</sub>-cycloalkyl, 7 membered heterocycloalkyl, and 5-11 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, and 7 membered heterocycloalkyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>6-10</sub>-aryl, C<sub>3-7</sub>-cycloalkyl, 7 membered heterocycloalkyl, and 5-11 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from phenyl, C<sub>9</sub>-aryl, C<sub>3-7</sub>-cycloalkyl, 7 membered heterocycloalkyl, and 5-11 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, and 7 membered heterocycloalkyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from ethyl, propyl, isopropyl, isobutyl, *t*-butyl, propynyl, phenyl, indanyl, [2.2.1]-bicycloheptenyl, cyclohexyl, cyclopentyl, cyclopropyl, [2.2.1]-bicycloheptanyl, tetrahydroazepinonyl, 2,3,4,5-tetrahydrobenzazepinyl, 2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepinyl, 2,3,4,5-tetrahydrobenzodiazepinyl, 1,2,3,4-tetrahydrobenzo[e][1,4]diazepine-5-onyl, 1,2,3,4-tetrahydrobenzodiazepin-5-onyl, 6,7,8,9-tetrahydro-5-thia-8-aza-benzocycloheptenyl, isoxindolyl, pyrazolyl, benzimidazolyl, 2-hydroxy-3-pyridinyl, pyridinyl, thienyl, benzodioxolyl, indazolyl, and isoxazolyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from ethyl, propyl, isopropyl, isobutyl, *t*-butyl, propynyl, phenyl, indanyl, [2.2.1]-bicycloheptenyl, cyclohexyl, cyclopentyl, [2.2.1]-bicycloheptanyl, and tetrahydroazepinonyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from propynyl, phenyl, indanyl, [2.2.1]-bicycloheptenyl, cyclohexyl, cyclopentyl, cyclopropyl, [2.2.1]-bicycloheptanyl, tetrahydroazepinonyl, 2,3,4,5-tetrahydro-3-benzazepinyl, 2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepinyl, 1,2,3,4-tetrahydrobenzo[e][1,4]diazepine-5-onyl, 6,7,8,9-tetrahydro-5-thia-8-aza-benzocycloheptenyl, isoxindolyl, pyrazolyl, benzimidazolyl, 2-hydroxy-3-pyridinyl, pyridinyl, thienyl, benzodioxolyl, indazolyl, and isoxazolyl, wherein



the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from phenyl, indanyl, [2.2.1]-bicycloheptenyl, cyclohexyl, cyclopentyl, [2.2.1]-bicycloheptanyl, and tetrahydroazepinonyl, wherein the R<sup>2</sup> group is optionally substituted. In another embodiment, R<sup>2</sup> is a group chosen from phenyl, [2.2.1]-bicycloheptenyl, and cyclohexyl, wherein the R<sup>2</sup> group is optionally substituted.

In another embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>20</sup>, -C(=O)R<sup>20</sup>, -C(=O)OR<sup>20</sup>, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-alkyl-(R<sup>25</sup>)<sub>x</sub>, C<sub>6-15</sub>-aryl-(R<sup>25</sup>)<sub>x</sub>, 5-15 membered heteroaryl-(R<sup>25</sup>)<sub>x</sub>, C<sub>3-10</sub> cycloalkyl-(R<sup>25</sup>)<sub>x</sub>, 3-15 membered heterocycloalkyl-(R<sup>25</sup>)<sub>x</sub>, pseudohalogen, -S(=O)<sub>n</sub>R<sup>20</sup>, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>20</sup>, -OC(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>C(=O)R<sup>21</sup>, -NR<sup>20</sup>C(=O)OR<sup>21</sup>, -NR<sup>20</sup>S(=O)<sub>2</sub>R<sup>21</sup>, -NR<sup>20</sup>C(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, and -SCF<sub>3</sub>. In another embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>20</sup>, -C(=O)R<sup>20</sup>, -C(=O)OR<sup>20</sup>, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-6</sub>-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OR<sup>20</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>22</sup>R<sup>23</sup>, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, -3-15 membered heterocycloalkyl-OR<sup>20</sup>, pseudohalogen, -S(=O)<sub>n</sub>R<sup>20</sup>, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>20</sup>, -OC(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>C(=O)R<sup>21</sup>, -NR<sup>20</sup>C(=O)OR<sup>21</sup>, -NR<sup>20</sup>S(=O)<sub>2</sub>R<sup>21</sup>, -NR<sup>20</sup>C(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -SCF<sub>3</sub>, and 5-15 membered heteroaryl optionally substituted by one or more members chosen from C<sub>1-6</sub>-alkyl and -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl,. In another embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>20</sup>, -C(=O)R<sup>20</sup>, -C(=O)OR<sup>20</sup>, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-6</sub>-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OR<sup>20</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>22</sup>R<sup>23</sup>, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, -3-15 membered heterocycloalkyl-OR<sup>20</sup>, pseudohalogen, -S(=O)<sub>n</sub>R<sup>20</sup>, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>20</sup>, -OC(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>C(=O)R<sup>21</sup>, -NR<sup>20</sup>C(=O)OR<sup>21</sup>, -NR<sup>20</sup>S(=O)<sub>2</sub>R<sup>21</sup>, and -SCF<sub>3</sub>. In another embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen, -OR<sup>20</sup>, -C(=O)R<sup>20</sup>, -C(=O)OR<sup>20</sup>, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-6</sub>-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OR<sup>20</sup>, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, -S(=O)<sub>n</sub>R<sup>20</sup>, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -OCF<sub>3</sub>, -OC(=O)R<sup>20</sup>, -OC(=O)NR<sup>22</sup>R<sup>23</sup>, -NR<sup>20</sup>C(=O)R<sup>21</sup>, -NR<sup>20</sup>C(=O)OR<sup>21</sup>, -NR<sup>20</sup>S(=O)<sub>2</sub>R<sup>21</sup>, -NR<sup>20</sup>C(=O)NR<sup>22</sup>R<sup>23</sup>, -SCF<sub>3</sub>, and 5-15 membered heteroaryl optionally substituted by one or more members chosen from C<sub>1-6</sub>-alkyl and -C<sub>1-</sub>



$6$ -alkyl-O- $C_{1-6}$ -alkyl. In another embodiment, the  $R^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-NO_2$ ,  $-OR^{20}$ ,  $=O$ ,  $-C(=O)R^{20}$ ,  $-C(=O)OR^{20}$ ,  $-C(=O)NR^{22}R^{23}$ ,  $-NR^{20}R^{21}$ ,  $C_{1-6}$ -alkyl- $(R^{25})_x$ , phenyl- $(R^{25})_x$ , 5-10 membered heteroaryl- $(R^{25})_x$ , 5-7 membered heterocycloalkyl- $(R^{25})_x$ , pseudohalogen,  $-S(=O)_2R^{20}$ ,  $-S(=O)_2NR^{22}R^{23}$ ,  $-OCF_3$ ,  $-NR^{20}C(=O)R^{21}$ ,  $-NR^{20}S(=O)_2R^{21}$ , and  $-NR^{20}C(=O)NR^{22}R^{23}$ . In another embodiment, the  $R^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-OR^{20}$ ,  $-C(=O)R^{20}$ ,  $-C(=O)OR^{20}$ ,  $-C(=O)NR^{22}R^{23}$ ,  $-C(=O)N(C_{1-6}$ -alkyl-OH) $R^{20}$ ,  $-NR^{20}R^{21}$ ,  $C_{1-6}$ -alkyl, 3-15 membered heterocycloalkyl,  $-S(=O)_2NR^{22}R^{23}$ ,  $-NR^{20}C(=O)R^{21}$ ,  $-NR^{20}S(=O)_2R^{21}$ ,  $-NR^{20}C(=O)NR^{22}R^{23}$ ,  $-SCF_3$ , and 5-15 membered heteroaryl optionally substituted by one or more members chosen from  $C_{1-6}$ -alkyl and  $-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl. In another embodiment, the  $R^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-NO_2$ ,  $-OR^{20}$ ,  $=O$ ,  $-C(=O)-C_{1-6}$ -alkyl,  $-C(=O)O-C_{1-6}$ -alkyl,  $-C(=O)O-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl,  $-C(=O)NR^{22}R^{23}$ ,  $-NH_2$ ,  $-NHC_{1-6}$ -alkyl,  $-N(C_{1-6}$ -alkyl) $_2$ ,  $-N(C_{1-6}$ -alkyl) $C_{1-6}$ -alkyl-C $\equiv$ N,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkyl- $R^{25}$ , phenyl, phenyl-C $\equiv$ N, 5-11 membered heteroaryl- $(R^{25})_x$ , 5-7 membered heterocycloalkyl- $(R^{25})_x$ ,  $-C\equiv N$ ,  $-S(=O)_2R^{20}$ ,  $-S(=O)_2NHC_{1-6}$ -alkyl,  $-S(=O)_2N(C_{1-6}$ -alkyl) $_2$ ,  $-S(=O)_2N(C_{2-6}$ -alkynyl) $C_{1-6}$ -alkyl,  $-OCF_3$ ,  $-NHC(=O)C_{1-6}$ -alkyl,  $-NHC(=O)C_{1-6}$ -haloalkyl,  $-NR^{20}S(=O)_2R^{21}$ , and  $-NHC(=O)N(C_{1-6}$ -alkyl) $_2$ . In another embodiment, the  $R^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-OR^{20}$ ,  $-C(=O)R^{20}$ ,  $-C(=O)OR^{20}$ ,  $-C(=O)NR^{22}R^{23}$ ,  $-C(=O)N(C_{1-6}$ -alkyl-OH) $R^{20}$ ,  $-NR^{20}R^{21}$ ,  $C_{1-6}$ -alkyl, 5-10 membered heterocycloalkyl,  $-S(=O)_2NR^{22}R^{23}$ ,  $-NHC(=O)R^{21}$ ,  $-NHS(=O)_2R^{21}$ ,  $-NHC(=O)NR^{22}R^{23}$ , and 5-15 membered heteroaryl optionally substituted by one or more members chosen from  $C_{1-6}$ -alkyl and  $-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl, and wherein  $R^{20}$ ,  $R^{21}$ ,  $R^{22}$ , and  $R^{23}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -fluoroalkyl,  $C_{2-6}$ -alkynyl, and  $C_{3-6}$ -cycloalkyl. In another embodiment, the  $R^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-NO_2$ ,  $-OH$ ,  $-OC_{1-6}$ -alkyl,  $-OC_{1-6}$ -haloalkyl,  $-OC_{1-6}$ -alkyl- $R^{20a}$ ,  $-OC_{1-6}$ -alkyl-(OH) $_2$ ,  $-OC_{2-6}$ -alkenyl,  $-OC_{2-6}$ -alkynyl,  $-O$ (5-6 membered heterocycloalkyl),  $=O$ ,  $-C(=O)-C_{1-6}$ -alkyl,  $-C(=O)O-C_{1-6}$ -alkyl,  $-C(=O)O-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl,  $-C(=O)NH_2$ ,  $-C(=O)NHC_{1-6}$ -alkyl,  $-C(=O)NHC_{2-6}$ -alkynyl,  $-C(=O)N(C_{1-6}$ -alkyl) $_2$ ,  $-C(=O)NHC_{1-6}$ -alkyl- $R^{20b}$ ,  $-NH_2$ ,  $-NHC_{1-6}$ -alkyl,  $-N(C_{1-6}$ -alkyl) $_2$ ,  $-N(C_{1-6}$ -alkyl) $C_{1-6}$ -alkyl-C $\equiv$ N,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkyl-C(=O)NH $_2$ ,  $C_{1-6}$ -alkyl-C $\equiv$ N,  $C_{1-6}$ -alkyl- $NR^{20c}R^{20d}$ , phenyl, phenyl-C $\equiv$ N, 5-9 membered heteroaryl- $(R^{25a})_x$ , 5-7 membered heterocycloalkyl- $(R^{25b})_y$ ,  $-C\equiv N$ ,  $-S(=O)_2C_{1-6}$ -alkyl,  $-S(=O)_2$ (5-6 membered



heterocycloalkyl),  $-\text{S}(=\text{O})_2(5\text{-}6 \text{ membered heterocycloalkyl-R}^{20\text{e}})$ ,  $-\text{S}(=\text{O})_2\text{NHC}_{1-6}\text{-alkyl}$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{2-6}\text{-alkynyl})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{OCF}_3$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{NR}^{20\text{f}}\text{S}(=\text{O})_2\text{R}^{20\text{g}}$ , and  $-\text{NHC}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ , wherein  $\text{R}^{20\text{a}}$  is chosen from  $-\text{C}\equiv\text{N}$ ,  $-\text{C}(=\text{O})\text{OH}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ , 5-6 membered heterocycloalkyl,  $-\text{OH}$ ,  $-\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{OCH}_2\text{phenyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{NH}_2$ , and  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20\text{b}}$  is chosen from  $-\text{OH}$ ,  $-\text{OC}_{1-6}\text{-alkyl}$ , cyclopropyl,  $-\text{C}\equiv\text{N}$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ , and 5-6 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20\text{c}}$  and  $\text{R}^{20\text{d}}$  are each independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-alkyl-OH}$ , and  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ , x is 0, 1 or 2, each  $\text{R}^{25\text{a}}$  is independently chosen from  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ ,  $\text{C}_{1-6}\text{-alkyl-O-C}_{1-6}\text{-alkyl}$ ,  $-\text{NHC}_{1-6}\text{-alkyl}$ ,  $-\text{OH}$ , and  $-\text{OC}_{1-6}\text{-alkyl}$ , y is 0 or 1,  $\text{R}^{25\text{b}}$  is chosen from  $\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OH}$ , and 6 membered heterocycloalkyl substituted by  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20\text{e}}$  is chosen from  $-\text{OH}$ ,  $\text{C}_{1-6}\text{-alkyl}$ , and  $-\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ ,  $\text{R}^{20\text{f}}$  is chosen from H,  $\text{C}_{1-6}\text{-alkyl}$ , and  $\text{C}_{1-6}\text{-alkyl-C}\equiv\text{N}$ , and  $\text{R}^{20\text{g}}$  is chosen from  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ , and cyclopropyl. In another embodiment, the  $\text{R}^2$  group is optionally substituted by one or more members independently chosen from

halogen,  $-\text{OH}$ ,  $-\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{C}(=\text{O})\text{NH}(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{C}(=\text{O})\text{NH}(\text{C}_{1-6}\text{-alkyl-OH})$ ,  $-\text{C}(=\text{O})\text{NH}(\text{C}_{3-6}\text{-cycloalkyl})$ ,  $-\text{NH}_2$ ,  $\text{C}_{1-6}\text{-alkyl}$ , 6-membered heterocycloalkyl,  $-\text{S}(=\text{O})_2\text{NH}(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{2-6}\text{-alkynyl})(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-fluoroalkyl}$ ,  $-\text{NHS}(=\text{O})_2(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{NHS}(=\text{O})_2(\text{C}_{1-6}\text{-fluoroalkyl})$ ,  $-\text{NHS}(=\text{O})_2(\text{C}_{3-6}\text{-cycloalkyl})$ ,  $-\text{NHC}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl})(\text{C}_{1-6}\text{-alkyl})$ , and 5-15 membered heteroaryl optionally substituted by one or more members chosen from  $\text{C}_{1-6}\text{-alkyl}$  and  $-\text{C}_{1-6}\text{-alkyl-O-C}_{1-6}\text{-alkyl}$ . In another embodiment, the  $\text{R}^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OH}$ ,  $-\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{OC}_{1-6}\text{-haloalkyl}$ ,  $-\text{OC}_{1-6}\text{-alkyl-R}^{20\text{a}}$ ,  $-\text{OC}_{1-6}\text{-alkyl-(OH)}_2$ ,  $-\text{OC}_{2-6}\text{-alkenyl}$ ,  $-\text{OC}_{2-6}\text{-alkynyl}$ ,  $-\text{O}(5\text{-}6 \text{ membered heterocycloalkyl})$ ,  $=\text{O}$ ,  $-\text{C}(=\text{O})\text{-C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{O-C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{O-C}_{1-6}\text{-alkyl-O-C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{C}(=\text{O})\text{NHC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NHC}_{2-6}\text{-alkynyl}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ ,  $-\text{C}(=\text{O})\text{NHC}_{1-6}\text{-alkyl-R}^{20\text{b}}$ ,  $-\text{NH}_2$ ,  $-\text{NHC}_{1-6}\text{-alkyl}$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl})\text{C}_{1-6}\text{-alkyl-C}\equiv\text{N}$ ,  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-alkyl-C}(=\text{O})\text{NH}_2$ ,  $\text{C}_{1-6}\text{-alkyl-C}\equiv\text{N}$ ,  $\text{C}_{1-6}\text{-alkyl-NHC}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-alkyl-NR}^{20\text{c}}\text{R}^{20\text{d}}$ , phenyl, phenyl-C $\equiv$ N, 5-9 membered heteroaryl, 5-6 membered heteroaryl-R<sup>25a</sup>, 5-6 membered heteroaryl-(OH)<sub>2</sub>, 6-7 membered heterocycloalkyl, 6-7 membered heterocycloalkyl-R<sup>25b</sup>,  $-\text{C}\equiv\text{N}$ ,  $-\text{S}(=\text{O})_2\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{S}(=\text{O})_2(5\text{-}6 \text{ membered heterocycloalkyl})$ ,  $-\text{S}(=\text{O})_2(5\text{-}6 \text{ membered heterocycloalkyl-R}^{20\text{e}})$ ,  $-\text{S}(=\text{O})_2\text{NHC}_{1-6}\text{-alkyl}$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{2-6}\text{-alkynyl})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{OCF}_3$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl})\text{S}(=\text{O})_2\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl-C}\equiv\text{N})\text{S}(=\text{O})_2\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{NHS}(=\text{O})_2\text{R}^{20\text{f}}$ ,



and  $-\text{NHC}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ , wherein  $\text{R}^{20a}$  is chosen from  $-\text{C}\equiv\text{N}$ ,  $-\text{C}(=\text{O})\text{OH}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ , 5-6 membered heterocycloalkyl,  $-\text{OH}$ ,  $-\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{OCH}_2\text{phenyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{NH}_2$ , and  $-\text{NHC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20b}$  is chosen from  $-\text{OH}$ ,  $-\text{OC}_{1-6}\text{-alkyl}$ , cyclopropyl,  $-\text{C}\equiv\text{N}$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ , and 5-6 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20c}$  is chosen from H and  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20d}$  is chosen from  $\text{C}_{1-6}\text{-alkyl-OH}$ , and  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{25a}$  is chosen from  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ ,  $\text{C}_{1-6}\text{-alkyl-O-C}_{1-6}\text{-alkyl}$ ,  $-\text{NHC}_{1-6}\text{-alkyl}$ , and  $-\text{OC}_{1-6}\text{-alkyl}$ ,  $\text{R}^{25b}$  is chosen from  $\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OH}$ , and 6 membered heterocycloalkyl substituted by  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{20e}$  is chosen from  $-\text{OH}$ ,  $\text{C}_{1-6}\text{-alkyl}$ , and  $-\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ , and  $\text{R}^{20f}$  is chosen from  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ , and cyclopropyl. In another embodiment, the  $\text{R}^2$  group is optionally substituted by one or more members independently chosen from  $-\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{C}(=\text{O})\text{NH}(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{C}(=\text{O})\text{NH}(\text{C}_{1-6}\text{-alkyl-OH})$ ,  $-\text{C}(=\text{O})\text{NH}(\text{C}_{3-6}\text{-cycloalkyl})$ , 6-membered heterocycloalkyl,  $-\text{S}(=\text{O})_2\text{NH}(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{NHS}(=\text{O})_2(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{NHS}(=\text{O})_2(\text{C}_{1-6}\text{-fluoroalkyl})$ , and  $-\text{NHS}(=\text{O})_2(\text{C}_{3-6}\text{-cycloalkyl})$ . In another embodiment, the  $\text{R}^2$  group is optionally substituted by one or more members independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OH}$ ,  $-\text{OC}_{1-4}\text{-alkyl}$ ,  $-\text{OC}_{1-4}\text{-haloalkyl}$ ,  $-\text{OC}_{1-4}\text{-alkyl-R}^{20a}$ ,  $-\text{OC}_{1-4}\text{-alkyl-(OH)}_2$ ,  $-\text{OC}_{2-4}\text{-alkenyl}$ ,  $-\text{OC}_{2-4}\text{-alkynyl}$ ,  $-\text{O}(5-6\text{ membered heterocycloalkyl})$ ,  $=\text{O}$ ,  $-\text{C}(=\text{O})\text{-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{O-C}_{1-4}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{C}(=\text{O})\text{NHC}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NHC}_{2-4}\text{-alkynyl}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-4}\text{-alkyl})_2$ ,  $-\text{C}(=\text{O})\text{NHC}_{1-4}\text{-alkyl-R}^{20b}$ ,  $-\text{NH}_2$ ,  $-\text{NHC}_{1-4}\text{-alkyl}$ ,  $-\text{N}(\text{C}_{1-4}\text{-alkyl})_2$ ,  $-\text{N}(\text{C}_{1-4}\text{-alkyl})\text{C}_{1-4}\text{-alkyl-C}\equiv\text{N}$ ,  $\text{C}_{1-4}\text{-alkyl}$ ,  $\text{C}_{1-4}\text{-alkyl-C}(=\text{O})\text{NH}_2$ ,  $\text{C}_{1-4}\text{-alkyl-C}\equiv\text{N}$ ,  $\text{C}_{1-4}\text{-alkyl-NHC}_{1-4}\text{-alkyl}$ ,  $\text{C}_{1-4}\text{-alkyl-NR}^{20c}\text{R}^{20d}$ , phenyl, phenyl-C $\equiv$ N, 5-9 membered heteroaryl, 5-6 membered heteroaryl-R<sup>25a</sup>, 5-6 membered heteroaryl-(OH)<sub>2</sub>, 6-7 membered heterocycloalkyl, 6-7 membered heterocycloalkyl-R<sup>25b</sup>,  $-\text{C}\equiv\text{N}$ ,  $-\text{S}(=\text{O})_2\text{C}_{1-4}\text{-alkyl}$ ,  $-\text{S}(=\text{O})_2(5-6\text{ membered heterocycloalkyl})$ ,  $-\text{S}(=\text{O})_2(5-6\text{ membered heterocycloalkyl-R}^{20e})$ ,  $-\text{S}(=\text{O})_2\text{NHC}_{1-4}\text{-alkyl}$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{1-4}\text{-alkyl})_2$ ,  $-\text{S}(=\text{O})_2\text{N}(\text{C}_{2-4}\text{-alkynyl})\text{C}_{1-4}\text{-alkyl}$ ,  $-\text{OCF}_3$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-4}\text{-alkyl}$ ,  $-\text{NHC}(=\text{O})\text{C}_{1-3}\text{-haloalkyl}$ ,  $-\text{N}(\text{C}_{1-4}\text{-alkyl})\text{S}(=\text{O})_2\text{C}_{1-4}\text{-alkyl}$ ,  $-\text{N}(\text{C}_{1-4}\text{-alkyl-C}\equiv\text{N})\text{S}(=\text{O})_2\text{C}_{1-4}\text{-alkyl}$ ,  $-\text{NHS}(=\text{O})_2\text{R}^{20f}$ , and  $-\text{NHC}(=\text{O})\text{N}(\text{C}_{1-4}\text{-alkyl})_2$ , wherein  $\text{R}^{20a}$  is chosen from  $-\text{C}\equiv\text{N}$ ,  $-\text{C}(=\text{O})\text{OH}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-4}\text{-alkyl}$ , 5-6 membered heterocycloalkyl,  $-\text{OH}$ ,  $-\text{OC}_{1-4}\text{-alkyl}$ ,  $-\text{OCH}_2\text{phenyl}$ ,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{NH}_2$ , and  $-\text{NHC}(=\text{O})\text{C}_{1-4}\text{-alkyl}$ ,  $\text{R}^{20b}$  is chosen from  $-\text{OH}$ ,  $-\text{OC}_{1-4}\text{-alkyl}$ , cyclopropyl,  $-\text{C}\equiv\text{N}$ ,  $-\text{N}(\text{C}_{1-4}\text{-alkyl})_2$ , and 5-6 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-4}\text{-alkyl}$ ,  $\text{R}^{20c}$  is chosen from H and  $\text{C}_{1-4}\text{-alkyl}$ ,  $\text{R}^{20d}$  is chosen from  $\text{C}_{1-4}\text{-alkyl-OH}$ , and  $-\text{C}(=\text{O})\text{C}_{1-4}\text{-alkyl}$ ,  $\text{R}^{25a}$  is chosen from  $\text{C}_{1-4}\text{-alkyl}$ ,  $\text{C}_{1-3}\text{-haloalkyl}$ ,  $\text{C}_{1-4}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{NHC}_{1-4}\text{-alkyl}$ , and  $-\text{OC}_{1-4}\text{-alkyl}$ ,  $\text{R}^{25b}$  is chosen from  $\text{C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OH}$ , and 6



membered heterocycloalkyl substituted by C<sub>1-4</sub>-alkyl, R<sup>20e</sup> is chosen from -OH, C<sub>1-4</sub>-alkyl, and -N(C<sub>1-4</sub>-alkyl)<sub>2</sub>, and R<sup>20f</sup> is chosen from C<sub>1-4</sub>-alkyl, C<sub>1-3</sub>-haloalkyl, and cyclopropyl. In another embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from -OC<sub>1-6</sub>-alkyl, -C(=O)NH<sub>2</sub>, -C(=O)NH(C<sub>1-6</sub>-alkyl), 6-  
 5 membered heterocycloalkyl, -S(=O)<sub>2</sub>NH(C<sub>1-6</sub>-alkyl), -NHS(=O)<sub>2</sub>(C<sub>1-6</sub>-alkyl), -NHS(=O)<sub>2</sub>(C<sub>1-6</sub>-fluoroalkyl), and -NHS(=O)<sub>2</sub>(C<sub>3-6</sub>-cycloalkyl). In another embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from -C(=O)NH<sub>2</sub>, -C(=O)NH(C<sub>1-6</sub>-alkyl), and 6-membered heterocycloalkyl. In another  
 10 embodiment, the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from F, Cl, Br, -NO<sub>2</sub>, -OH, -OCF<sub>3</sub>, -OCH<sub>2</sub>C≡N, -OCH<sub>2</sub>CH<sub>2</sub>C≡N, -OCH<sub>3</sub>, -OCH<sub>2</sub>CH<sub>3</sub>, -OCH<sub>2</sub>C(=O)OCH<sub>3</sub>, -OCH<sub>2</sub>CH(OH)CH<sub>2</sub>OH, -O(CH<sub>2</sub>)<sub>2</sub>-morpholinyl, -O(CH<sub>2</sub>)<sub>2</sub>OH, -O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -OCH<sub>2</sub>C(=O)NH<sub>2</sub>, -OCH<sub>2</sub>C(=O)OH, -OCH<sub>2</sub>C≡CH, -OCH<sub>2</sub>C=CH<sub>2</sub>, -O(CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub>, -O(CH<sub>2</sub>)<sub>2</sub>NHC(=O)CH<sub>3</sub>, -O-tetrahydrofuranyl, -OCH<sub>2</sub>-tetrahydrofuranyl, -O-tetrahydropyranyl, -O(CH<sub>2</sub>)<sub>3</sub>O-benzyl,  
 15 =O, -C(=O)-CH<sub>3</sub>, -C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -C(=O)OCH<sub>3</sub>, -C(=O)OCH<sub>2</sub>CH<sub>3</sub>, -C(=O)NH<sub>2</sub>, -C(=O)NHCH<sub>3</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>2</sub>OH, -C(=O)N(CH<sub>3</sub>)<sub>2</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>2</sub>-pyrrolidinyl, -C(=O)NHCH<sub>2</sub>-cyclopropyl, -C(=O)NH(CH<sub>2</sub>)<sub>2</sub>-N-methylpiperazinyl, -C(=O)NH(CH<sub>2</sub>)<sub>2</sub>C≡N, -C(=O)N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>2</sub>C≡N, -C(=O)NHCH<sub>2</sub>C≡N, -C(=O)NHCH<sub>2</sub>C≡CH, -C(=O)N(CH<sub>3</sub>)CH<sub>2</sub>C≡CH, -  
 20 C(=O)NH(CH<sub>2</sub>)<sub>2</sub>CH<sub>3</sub>, -C(=O)NHCH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>3</sub>CH<sub>3</sub>, -C(=O)NHCH(CH<sub>3</sub>)<sub>2</sub>, -C(=O)NHCH<sub>2</sub>CH<sub>3</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -C(=O)NHCH<sub>2</sub>-cyclopropyl, -C(=O)NH(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>3</sub>OCH<sub>3</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>4</sub>N(CH<sub>3</sub>)<sub>2</sub>, -C(=O)NH(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>, -NH<sub>2</sub>, -N(CH<sub>3</sub>)<sub>2</sub>, -NHCH<sub>3</sub>, -N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>2</sub>C≡N, methyl, ethyl, t-butyl, -CF<sub>3</sub>, -CH<sub>2</sub>C(=O)NH<sub>2</sub>, -CH<sub>2</sub>N(Et)(CH<sub>2</sub>)<sub>2</sub>OH,  
 25 -CH<sub>2</sub>NHCH<sub>3</sub>, -CH<sub>2</sub>N(CH<sub>3</sub>)C(=O)CH<sub>3</sub>, -CH<sub>2</sub>NHC(=O)CH<sub>3</sub>, -CH<sub>2</sub>NH(CH<sub>2</sub>)<sub>2</sub>OH, -CH<sub>2</sub>CH<sub>2</sub>C≡N, -CH<sub>2</sub>C≡N, phenyl, phenyl-C≡N, 2-thiazolyl, 5-oxazolyl, N-methoxyethyl-2-imidazolyl, pyrazolyl, 5-methyl-1,3,4-thiadiazol-2-yl, 2-pyrazinyl, 3-methyl-5-(1,3,4-oxadiazolyl), 3-ethylamino-5-(1,3,4-oxadiazolyl), 3-methyl-5-(1,2,4-oxadiazolyl), 3-methyl-1,2,4-triazol-5-yl, 1-methyl-4-pyrazolyl, 5-methyl-2-(1,3,4-thiadiazolyl), 5-  
 30 methyloxazol-2-yl, 2-pyrimidinyl, 2,4-dihydroxypyrimidinyl, 3-pyridyl, 2-pyridyl, 3-methyl-2-pyridyl, 4-methyl-2-pyridyl, 5-methyl-2-pyridyl, 6-methyl-2-pyridyl, 3-methoxy-2-pyridyl, 3-trifluoromethyl-2-pyridyl, 4-trifluoromethyl-2-imidazolyl, 1-methyl-2-imidazolyl, 2-imidazolyl, 1-ethoxymethyl-2-imidazolyl, benzimidazolyl, piperidinyl, morpholinyl, 2-oxa-5-aza-bicyclo[2.2.1]hept-5-yl, 5-ethyl-2,5-diaza-bicyclo[2.2.1]hept-2-







$\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  
and  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ .

In another embodiment,  $\text{R}^2$  is chosen from:

- (a)  $\text{C}_{1-6}$ -alkyl, and
- 5 (b) mono- or polysubstituted  $\text{C}_{1-6}$  alkyl, wherein each substituent is selected from the group consisting of halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{X}^0$ ,  $-\text{C}(=\text{O})\text{OX}^0$ ,  $-\text{C}(=\text{O})\text{NX}^0\text{X}^1$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl-OH})\text{X}^0$ ,  $-\text{NX}^0\text{X}^1$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{X}^0$ ,  $-\text{S}(=\text{O})_2\text{NX}^0\text{X}^1$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{X}^0$ ,  $-\text{OC}(=\text{O})\text{NX}^0\text{X}^1$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{X}^1$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OX}^1$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{X}^1$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NX}^0\text{X}^1$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NX}^0\text{X}^1$ , and  $-\text{SCF}_3$ ,  
10 wherein  $\text{X}^0$  and  $\text{X}^1$  at each occurrence are independently selected from the group consisting of hydrogen and  $\text{C}_{1-6}$ -alkyl.

In another embodiment,  $\text{R}^2$  is as defined in any of the above embodiments, except that  $\text{R}^2$  is not:

- 15 (a) a fused bicyclic unsaturated  $\text{C}_{9-10}$  cycloalkyl group,
- (b) a mono or polysubstituted fused bicyclic unsaturated  $\text{C}_{9-10}$  cycloalkyl group, wherein each substituent is independently selected from the group consisting of halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl-OH})\text{R}^{20}$ ,  $-\text{NR}^{20}\text{R}^{21}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{20}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{22}\text{R}^{23}$ ,  $\text{C}_{1-6}$ -fluoroalkyl,  $-\text{CN}$ ,  $-\text{SR}^{20}$ ,  $-\text{S}(=\text{O})_2\text{R}^{20}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ , and  $-\text{SCF}_3$ ,
- 20 (c) a fused bicyclic unsaturated 9-10 membered heterocycloalkyl group containing 1-4 heteroatoms selected from the group consisting of N, S, and O,
- 25 (d) a mono or polysubstituted fused bicyclic unsaturated 9-10 membered heterocycloalkyl group containing 1-4 heteroatoms selected from the group consisting of N, S, and O, wherein each substituent is independently selected from the group consisting of halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl-OH})\text{R}^{20}$ ,  $-\text{NR}^{20}\text{R}^{21}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{20}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{22}\text{R}^{23}$ ,  $\text{C}_{1-6}$ -fluoroalkyl,  $-\text{CN}$ ,  $-\text{SR}^{20}$ ,  $-\text{S}(=\text{O})_2\text{R}^{20}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,
- 30

$-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ , and  $-\text{SCF}_3$ ,

- (e) a fused bicyclic C<sub>9-10</sub> aryl group,
- (f) a mono or polysubstituted fused bicyclic C<sub>9-10</sub> aryl group, wherein each substituent is independently selected from the group consisting of halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl-OH})\text{R}^{20}$ ,  $-\text{NR}^{20}\text{R}^{21}$ , C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}\text{-alkyl-OR}^{20}$ ,  $-\text{C}_{1-6}\text{-alkyl-NR}^{22}\text{R}^{23}$ , C<sub>1-6</sub>-fluoroalkyl,  $-\text{CN}$ ,  $-\text{SR}^{20}$ ,  $-\text{S}(=\text{O})_2\text{R}^{20}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ , and  $-\text{SCF}_3$ ,
- (g) a fused bicyclic 9-10 membered heteroaryl group,
- (h) a mono or polysubstituted fused bicyclic 9-10 membered heteroaryl group, wherein each substituent is independently selected from the group consisting of halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl-OH})\text{R}^{20}$ ,  $-\text{NR}^{20}\text{R}^{21}$ , C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}\text{-alkyl-OR}^{20}$ ,  $-\text{C}_{1-6}\text{-alkyl-NR}^{22}\text{R}^{23}$ , C<sub>1-6</sub>-fluoroalkyl,  $-\text{CN}$ ,  $-\text{SR}^{20}$ ,  $-\text{S}(=\text{O})_2\text{R}^{20}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ , and  $-\text{SCF}_3$ .

In another embodiment, R<sup>2</sup> is as defined in any of the above embodiments, except that R<sup>2</sup> is none of the following:

- (a) indolyl;
- (b) mono or polysubstituted indolyl, wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-alkyl-OR, C<sub>1-6</sub>-alkyl-NR<sub>2</sub>, and dimethyldioxolanyl, wherein R at each occurrence is independently chosen from H and C<sub>1-3</sub>-alkyl;
- (c) benzotriazolyl;
- (d) mono or disubstituted benzotriazolyl, wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl groups;
- (e) phenyl having the following substitution pattern:
- (i) ortho positions independently chosen from H, halogen, and  $-\text{CF}_3$ ,
- (ii) meta positions independently chosen from H, halogen, ethynyl,  $-\text{O}(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{C}(=\text{O})(\text{C}_{1-3}\text{-alkyl})$ , and pyrazolyl, and



(iii) para position chosen from halogen,  $-O(C_{1-6}\text{-alkyl})$ ,  $-O(\text{phenyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ ,  $C_{1-6}\text{-alkyl}$ ,  $CF_3$ , pyrazolyl, morpholinyl, piperazinyl, and  $-S(=O)_2NH_2$ ; or

(f) phenyl having the following substitution pattern:

- 5 (i) ortho positions independently chosen from H, halogen, and  $-CF_3$ ,  
 (ii) meta positions independently chosen from halogen, ethynyl,  $-O(C_{1-6}\text{-alkyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ , and pyrazolyl, and  
 (iii) para position chosen from H, halogen,  $-O(C_{1-6}\text{-alkyl})$ ,  $-O(\text{phenyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ ,  $C_{1-6}\text{-alkyl}$ ,  $CF_3$ , pyrazolyl, morpholinyl,  
 10 piperazinyl, and  $-S(=O)_2NH_2$ .

In another embodiment,  $R^2$  is as defined in any of the above embodiments, except that  $R^2$  is not  $C_{1-2}\text{-alkyl}$  substituted by any of the following:

- (a) indolyl;  
 (b) mono or polysubstituted indolyl, wherein each substituent is independently  
 15 selected from the group consisting of  $C_{1-6}\text{-alkyl}$ ,  $C_{1-6}\text{-alkyl-OR}$ ,  $C_{1-6}\text{-alkyl-NR}_2$ , and dimethyldioxolanyl, wherein R at each occurrence is independently chosen from H and  $C_{1-3}\text{-alkyl}$ ;  
 (c) benzotriazolyl;  
 (d) mono or disubstituted benzotriazolyl, wherein each substituent is  
 20 independently selected from the group consisting of  $C_{1-6}\text{-alkyl}$  groups;  
 (e) phenyl having the following substitution pattern:  
 (i) ortho positions independently chosen from H, halogen, and  $-CF_3$ ,  
 (ii) meta positions independently chosen from H, halogen, ethynyl,  $-O(C_{1-6}\text{-alkyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ , and pyrazolyl, and  
 25 (iii) para position chosen from halogen,  $-O(C_{1-6}\text{-alkyl})$ ,  $-O(\text{phenyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ ,  $C_{1-6}\text{-alkyl}$ ,  $CF_3$ , pyrazolyl, morpholinyl, piperazinyl, and  $-S(=O)_2NH_2$ ; or  
 (f) phenyl having the following substitution pattern:  
 (i) ortho positions independently chosen from H, halogen, and  $-CF_3$ ,  
 30 (ii) meta positions independently chosen from halogen, ethynyl,  $-O(C_{1-6}\text{-alkyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ , and pyrazolyl, and  
 (iii) para position chosen from H, halogen,  $-O(C_{1-6}\text{-alkyl})$ ,  $-O(\text{phenyl})$ ,  $-C(=O)(C_{1-3}\text{-alkyl})$ ,  $C_{1-6}\text{-alkyl}$ ,  $CF_3$ , pyrazolyl, morpholinyl, piperazinyl, and  $-S(=O)_2NH_2$ .

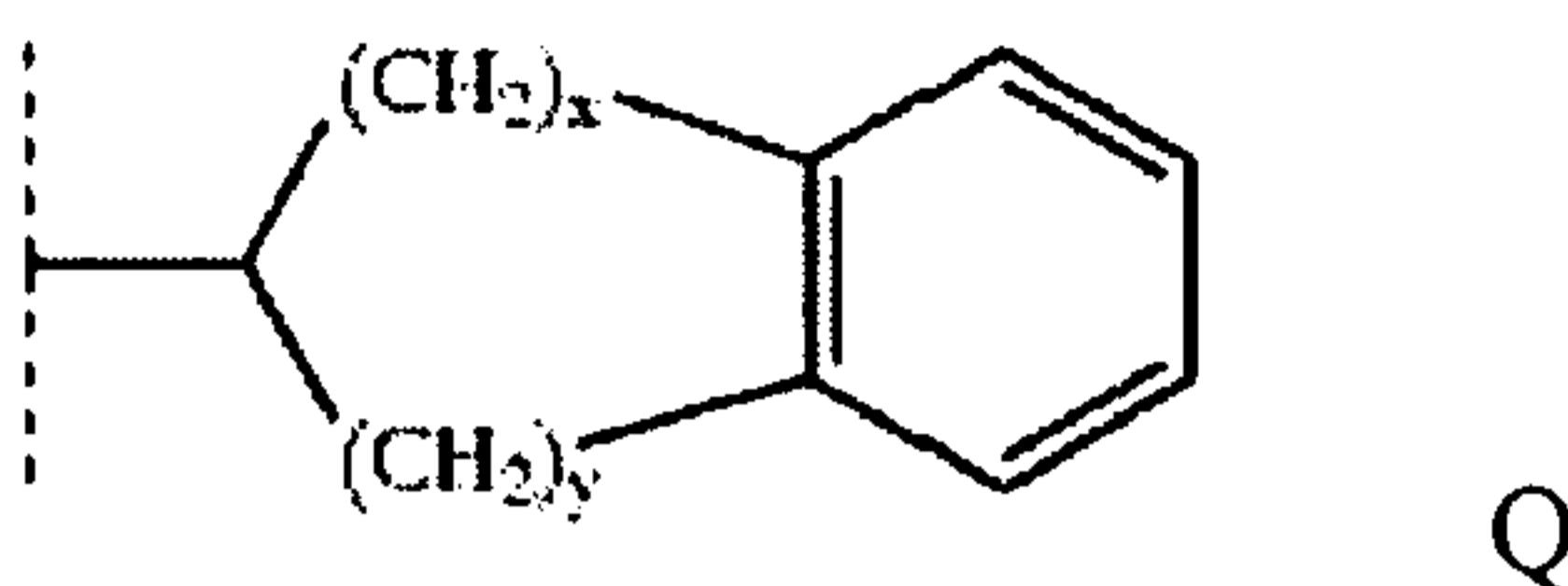
In another embodiment,  $R^2$  is as defined in any of the above embodiments, except that  $R^2$  is none of the following:

- (a) mono or polysubstituted  $C_{1-6}$  alkyl, wherein each substituent is independently selected from the group consisting of:
- 5 (i)  $-OR$ ,
  - (ii)  $-C(=O)$ -4-7 membered heterocycloalkyl optionally substituted by 1-4  $C_{1-6}$ -alkyl groups,
  - (iii)  $-C(=O)OR$ ,
  - (iv)  $-C(=O)NR_2$ ,
  - 10 (v)  $-C(=O)N(C_{2-4}\text{-alkyl-OH})H$ ,
  - (vi)  $-NX_2$ ,
  - (vii) pyrrolyl,
  - (viii) imidazolyl,
  - (ix) pyrazolyl,
  - 15 (x) pyridyl,
  - (xi) pyrimidinyl,
  - (xii) pyrazinyl,
  - (xiii) indolyl,
  - (xiv) benzimidazolyl,
  - 20 (xv) quinuclidinyl,
  - (xvi) 3-hydroxy-1,3-dihydroindol-2-on-3-yl,
  - (xvii) 4-7 membered heterocycloalkyl unsubstituted or substituted by no substituent other than  $-OR$  or  $C_{1-6}$ -alkyl,
  - (xviii) cyano,
  - 25 (xix)  $-S(=O)_nR$ ,
  - (xx)  $-OC(=O)R$ ,
  - (xxi)  $-NRC(=O)R$ ,
  - (xxii)  $-NRC(=O)OR$ ,
  - (xxiii)  $-NRS(=O)_2R$ ,
  - 30 (xxiv)  $-NXC(=O)NX_2$ , and
  - (xxv)  $-NXSO_2NX_2$ ,

wherein R at each occurrence is independently chosen from H,  $C_{1-6}$ -alkyl and  $C_{6-15}$ -aryl, and wherein X at each occurrence is independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{6-15}$ -aryl, and pyridyl;



(b) a group of formula Q



mono or polysubstituted in the C<sub>6-15</sub>-aryl ring, wherein each substituent is independently selected from the group consisting of –C(=O)OR and –C(=O)NR<sub>2</sub>, wherein R at each occurrence is independently chosen from H and C<sub>1-6</sub>-alkyl, and optionally additionally mono or disubstituted in the alkylene moiety, wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl groups,

10

wherein

x and y in formula X are independently 0, 1, or 2, and  $x + y \geq 2$ ;

(c) mono or polysubstituted cyclopropyl, wherein each substituent is independently selected from the group consisting of –C(=O)-4-7 membered heterocycloalkyl optionally substituted by 1-4 C<sub>1-6</sub>-alkyl groups, –C(=O)OR, and –C(=O)NR<sub>2</sub>, wherein R at each occurrence is independently chosen from H and C<sub>1-6</sub>-alkyl;

15

(d) mono or polysubstituted C<sub>4-10</sub> cycloalkyl, wherein each substituent is independently selected from the group consisting of:

- (i) –OR,
- (ii) –C(=O)OR,
- (iii) –NR<sub>2</sub>,
- (iv) C<sub>1-6</sub>-alkyl, and
- (v) C<sub>1-6</sub>-alkyl-OR,

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wherein R at each occurrence is independently selected from the group consisting of H, C<sub>1-6</sub>-alkyl and C<sub>6-15</sub>-aryl;

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(e) C<sub>5-7</sub> cycloalkyl in which at least one methylene group in the cycloalkyl moiety is replaced by a carbonyl group;

(f) C<sub>5-7</sub> cycloalkyl in which at least one methylene group in the cycloalkyl moiety is replaced by a carbonyl group, wherein the C<sub>5-7</sub> cycloalkyl is substituted by one or more members independently selected from the group consisting of C<sub>1-6</sub>-alkyl;

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- (g) 4-7 membered heterocycloalkyl;
- (h) mono or polysubstituted 4-7 membered heterocycloalkyl, wherein each substituent is independently selected from the group consisting of
- (i) -OR,
- 5 (ii) -C(=O)-4-7 membered heterocycloalkyl optionally substituted by 1-4 C<sub>1-6</sub>-alkyl groups,
- (iii) -C(=O)OR,
- (iv) -C(=O)NR<sub>2</sub>,
- (v) -NR<sub>2</sub>,
- 10 (vi) C<sub>1-6</sub>-alkyl,
- (vii) -C<sub>1-6</sub>-alkyl-OR,
- (viii) -C<sub>1-6</sub>-alkyl-NR<sub>2</sub>,
- (ix) -C<sub>1-6</sub>-alkyl-3-15 membered heterocycloalkyl, wherein said 3-15 membered heterocycloalkyl is optionally substituted by 1-4 C<sub>1-6</sub>-
- 15 alkyl groups,
- (x) 3,4-dihydro-1H-quinazolin-2-on-3-yl optionally substituted by -OR,
- (xi) 1H-benzimidazol-2-on-1-yl optionally substituted by -OR,
- (xii) 4-7 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or -OR,
- 20 (xiii) cyano,
- (xiv) -S(=O)<sub>n</sub>R,
- (xv) -OC(=O)R,
- (xvi) -NRC(=O)R,
- (xvii) -NRC(=O)OR,
- 25 (xviii) -NRS(=O)<sub>2</sub>R,
- (xix) -NXC(=O)NX<sub>2</sub>, and
- (xx) -NXSO<sub>2</sub>NX<sub>2</sub>,

wherein R at each occurrence is independently selected from the group consisting of H, C<sub>1-6</sub>-alkyl and C<sub>6-15</sub>-aryl, and wherein X at each occurrence is independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, and pyridyl; or

30 (i) quinuclidinyl.

In another embodiment, R<sup>2</sup> is as defined in any of the above embodiments, except that R<sup>2</sup> is not mono or polysubstituted C<sub>4-10</sub> cycloalkyl, wherein each substituent is independently selected from the group consisting of:



- (i) -OR,
- (ii) -C(=O)-4-7 membered heterocycloalkyl optionally substituted by 1-4 C<sub>1-6</sub>-alkyl groups,
- (iii) -C(=O)OR,
- 5 (iv) -C(=O)NR<sub>2</sub>,
- (v) -NR<sub>2</sub>,
- (vi) C<sub>1-6</sub>-alkyl,
- (vii) -C<sub>1-6</sub>-alkyl-OR,
- (viii) -C<sub>1-6</sub>-alkyl-NR<sub>2</sub>,
- 10 (ix) -C<sub>1-6</sub>-alkyl-3-15 membered heterocycloalkyl, wherein said 3-15 membered heterocycloalkyl is optionally substituted by 1-4 C<sub>1-6</sub>-alkyl groups,
- (x) 3,4-dihydro-1H-quinazolin-2-on-3-yl optionally substituted by -OR,
- (xi) 1H-benzimidazol-2-on-1-yl optionally substituted by -OR,
- 15 (xii) 4-7 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or -OR,
- (xiii) cyano,
- (xiv) -S(=O)<sub>n</sub>R,
- (xv) -OC(=O)R,
- 20 (xvi) -NRC(=O)R,
- (xvii) -NRC(=O)OR,
- (xviii) -NRS(=O)<sub>2</sub>R,
- (xix) -NXC(=O)NX<sub>2</sub>, and
- (xx) -NXSO<sub>2</sub>NX<sub>2</sub>,

25 wherein R at each occurrence is independently selected from the group consisting of H, C<sub>1-6</sub>-alkyl and C<sub>6-15</sub>-aryl, and wherein X at each occurrence is independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, and pyridyl.

In another embodiment, R<sup>2</sup> is as defined in any of the above embodiments, except that R<sup>2</sup> is none of the following:

- 30 (a) C<sub>1-6</sub>-alkyl;
- (b) mono or polysubstituted C<sub>1-6</sub>-alkyl, wherein each substituent is independently selected from the group consisting of:
- (i) -OR,
- (ii) -C(=O)OR,

- (iii)  $-NR_2$ ,
- (iv) 4-7 membered heterocycloalkyl optionally substituted by 1-2  $C_{1-6}$ -alkyl groups,
- (v)  $C_{6-15}$ -aryl,
- (vi) cyano,
- (vii)  $-NRC(=O)R$ ,
- (viii)  $-NRS(=O)_2X$ , and
- (ix)  $-NR^{20}C(=O)NR^{22}R^{23}$ ,

wherein R at each occurrence is independently selected from the group consisting of H and  $C_{1-6}$ -alkyl,

and wherein X is selected from the group consisting of H,  $C_{1-6}$ -alkyl, and  $C_{1-6}$ -perfluoroalkyl;

- (c) methyl substituted by fluoromethyl, chloromethyl, bromomethyl, difluoromethyl, or trifluoromethyl;
- (d)  $C_{3-7}$  cycloalkyl;
- (e)  $C_{3-5}$  alkenyl; or
- (f)  $C_{3-5}$  alkynyl.

In another embodiment,  $R^2$  is as defined in any of the above embodiments, except that  $R^2$  is not mono or polysubstituted  $C_{1-6}$ -alkyl, in which each substituent is independently selected from the group consisting of:

- (i)  $-OR$ ,
- (ii)  $-C(=O)$ -4-7 membered heterocycloalkyl optionally substituted by 1-2  $C_{1-6}$ -alkyl groups,
- (iii)  $-C(=O)OR$ ,
- (iv)  $-C(=O)NR_2$ ,
- (v)  $-NR_2$ ,
- (vi)  $C_{3-7}$  cycloalkyl,
- (vii) 4-7 membered heterocycloalkyl optionally substituted by 1-4  $C_{1-6}$ -alkyl groups,
- (viii)  $C_{6-15}$ -aryl,
- (ix) cyano,
- (x)  $-S(=O)_nR$ ,
- (xi)  $-OC(=O)R$ ,
- (xii)  $-NRC(=O)R$ ,



- (xiii)  $-\text{NRC}(=\text{O})\text{OR}$ ,
- (xiv)  $-\text{NRS}(=\text{O})_2\text{X}$ ,
- (xv)  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ , and
- (xvi)  $-\text{NR}^{20}\text{SO}_2\text{NR}^{22}\text{R}^{23}$ ,

5 wherein R at each occurrence is independently selected from the group consisting of H and C<sub>1-6</sub>-alkyl, and wherein X is selected from the group consisting of H, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-perfluoroalkyl;

10 In another embodiment, R<sup>2</sup> is as defined in any of the above embodiments, except that R<sup>2</sup> is none of the following:

- (a) C<sub>1-6</sub>-alkyl;
- (b) monosubstituted C<sub>1-6</sub>-alkyl, wherein the substituent is selected from the group consisting of C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl optionally substituted by C<sub>1-6</sub>-alkyl, 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl, and C<sub>5-10</sub> fused bicyclic or tricyclic cycloalkyl;
- (c) C<sub>6-15</sub>-aryl;
- (d) mono, di, or trisubstituted C<sub>6-15</sub>-aryl, wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}$ -alkyl-3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}$ -alkyl-5-15 membered heteroaryl optionally substituted by C<sub>1-6</sub>-alkyl, 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, and C<sub>3-7</sub> cycloalkyl;
- (e) 5-15 membered heteroaryl;
- (f) mono, di, or trisubstituted 5-15 membered heteroaryl, wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}$ -alkyl-3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}$ -alkyl-5-15 membered heteroaryl optionally substituted by C<sub>1-6</sub>-alkyl, 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, and C<sub>3-7</sub> cycloalkyl;
- (g) 3-15 membered heterocycloalkyl;
- (h) mono, di, or trisubstituted 3-15 membered heterocycloalkyl, wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}$ -alkyl-3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}$ -alkyl-5-15 membered heteroaryl optionally substituted by C<sub>1-6</sub>-

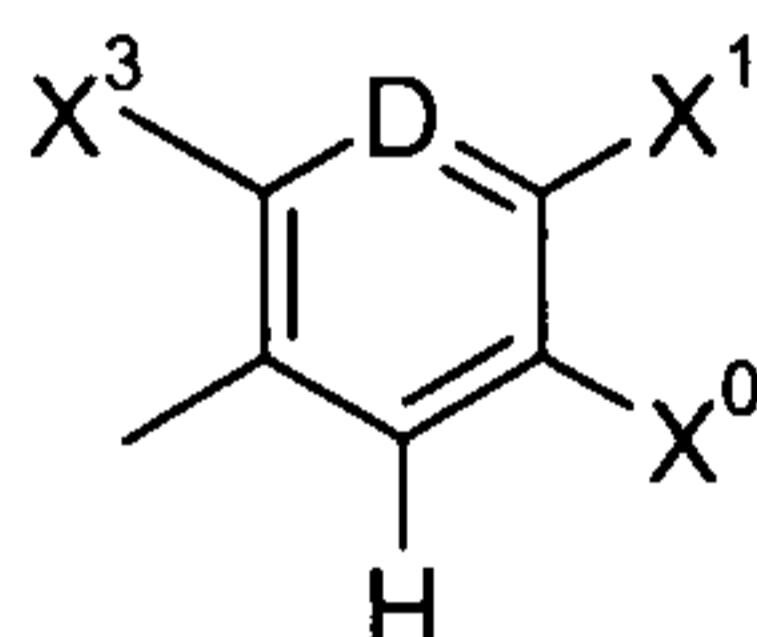
alkyl, 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, and C<sub>3-7</sub> cycloalkyl;

- (i) C<sub>5-10</sub> fused bicyclic or tricyclic cycloalkyl; or  
 (j) mono, di, or trisubstituted C<sub>5-10</sub> fused bicyclic or tricyclic cycloalkyl,

5 wherein each substituent is independently selected from the group consisting of C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-5-15 membered heteroaryl optionally substituted by C<sub>1-6</sub>-alkyl, 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, and C<sub>3-7</sub>  
 10 cycloalkyl.

In another embodiment, R<sup>2</sup> is as defined in any of the above embodiments, except that R<sup>2</sup> is not monosubstituted phenyl, wherein the substituent is selected from the group consisting of -C(=O)NR<sup>22</sup>R<sup>23</sup>.

15 In another embodiment, R<sup>2</sup> is as defined in any of the above embodiments, except that R<sup>2</sup> is not a group of formula



wherein

D is =CX<sup>2</sup>- or =N-;

each of X<sup>0</sup>, X<sup>1</sup>, X<sup>2</sup>, and X<sup>3</sup> are independently selected from the group consisting of  
 20 hydrogen, hydroxy, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OH, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, and C<sub>3-8</sub> cycloalkyl;

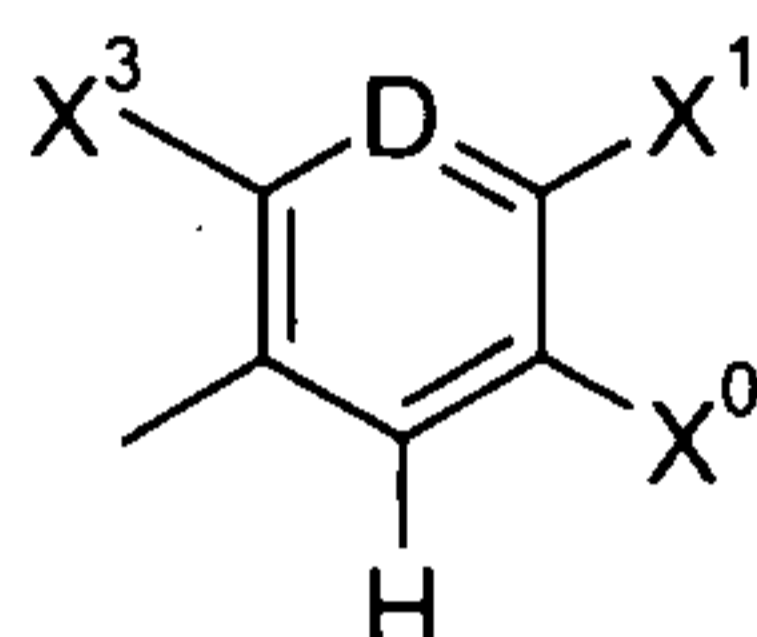
or each of X<sup>1</sup>, X<sup>2</sup>, and X<sup>3</sup> are independently selected from the group consisting of  
 halogen, -NO<sub>2</sub>, -O-C<sub>1-6</sub>-alkyl, -O-C<sub>1-6</sub>-alkynyl, -O-C<sub>1-6</sub>-haloalkyl, -C(=O)-  
 C<sub>2-6</sub>-alkyl, -C(=O)O-C<sub>2-6</sub>-alkyl, -C(=O)OH, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-  
 25 6-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-haloalkyl, -C<sub>1-4</sub>-alkyl-5-15 membered  
 heteroaryl optionally substituted by C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl, 5-15 membered  
 heteroaryl, 5-10 membered heterocycloalkyl, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -OCH<sub>2</sub>F, -  
 OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, and -N(C<sub>1-6</sub>-alkyl)C(=O)-C<sub>1-6</sub>-alkyl;</sub>

or X<sup>1</sup> and X<sup>2</sup> form together with the C-atoms to which they are attached C<sub>6-15</sub>-aryl  
 30 or a 5-10 membered heteroaryl residue comprising one or two heteroatoms  
 selected from N, O and S;



or  $X^1$  and  $X^2$  form together with the C-atoms to which they are attached a 5-15 membered non-aromatic carbocyclic or heterocyclic residue, wherein the heterocyclic residue comprises 1-5 heteroatoms selected from N, O and S;  
 or  $X^1$  and  $X^2$  together form a residue of formula  $-C(CH_3)=CH-O-$ ,  $-CH=CH-NH-$ ,  
 5 , or  $-N=C(CH_3)-C(CH_3)=N-$ ;  
 or  $X^1$  and  $X^2$  together form a residue of formula  $-CH=N-NH-$  and  $X^3$  is  $-SO_2NR^{22}R^{23}$ .

In another embodiment,  $R^2$  is as defined in any of the above embodiments, except that  $R^2$  is not a group of formula



wherein

D is  $=CX^2-$  or  $=N-$ ;

each of  $X^0$ ,  $X^1$ ,  $X^2$ , and  $X^3$  are independently selected from the group consisting of hydrogen, hydroxy,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-OH,  $-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $NR^{22}R^{23}$ ,  $C_{1-6}$ -haloalkyl, and  $C_{3-8}$  cycloalkyl;

or each of  $X^1$ ,  $X^2$ , and  $X^3$  are independently selected from the group consisting of halogen,  $-NO_2$ ,  $-O-C_{1-6}$ -alkyl,  $-O-C_{1-6}$ -alkynyl,  $-O-C_{1-6}$ -haloalkyl,  $-C(=O)-C_{2-6}$ -alkyl,  $-C(=O)O-C_{2-6}$ -alkyl,  $-C(=O)OH$ ,  $-C(=O)NR^{22}R^{23}$ ,  $-C(=O)N(C_{1-6}$ -alkyl-OH) $R^{20}$ ,  $-NR^{20}R^{21}$ ,  $C_{1-6}$ -haloalkyl,  $-C_{1-4}$ -alkyl-5-15 membered heteroaryl optionally substituted by  $C_{1-6}$ -alkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl, 5-10 membered heterocycloalkyl, 3-15 membered heterocycloalkyl- $C_{1-6}$ -alkyl, 3-15 membered heterocycloalkyl-OH, 3-15 membered heterocycloalkyl-O- $C_{1-6}$ -alkyl,  $-S(=O)_2NR^{22}R^{23}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ , and  $-N(C_{1-6}$ -alkyl) $C(=O)-C_{1-6}$ -alkyl;

or  $X^1$  and  $X^2$  form together with the C-atoms to which they are attached  $C_{6-15}$ -aryl or a 5-10 membered heteroaryl residue comprising one or two heteroatoms selected from N, O and S, wherein the  $C_{6-15}$ -aryl or 5-10 membered heteroaryl residue is optionally substituted by one or more substituents independently selected from the group consisting of halogen,  $-OH$ ,  $C_{1-6}$ -alkyl,  $-O-C_{1-6}$ -alkyl,  $-NO_2$ ,  $-CN$ ,  $-COOH$ ,  $-C(=O)NH_2$ ,  $-NR^{20}R^{21}$ ,  $C_{3-6}$ -

cycloalkyl, 3-7 membered heterocycloalkyl, phenyl, and 5-6 membered heteroaryl;

or X<sup>1</sup> and X<sup>2</sup> form together with the C-atoms to which they are attached a 5-15 membered non-aromatic carbocyclic or heterocyclic residue, wherein the heterocyclic residue comprises 1-5 heteroatoms selected from N, O and S, and wherein the carbocyclic or heterocyclic residue is optionally substituted by one or more substituents independently selected from the group consisting of halogen, -OH, C<sub>1-6</sub>-alkyl, -O-C<sub>1-6</sub>-alkyl, -NO<sub>2</sub>, -CN, -COOH, -C(=O)NH<sub>2</sub>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>3-6</sub>-cycloalkyl, 3-7 membered heterocycloalkyl, phenyl, and 5-6 membered heteroaryl;

or X<sup>1</sup> and X<sup>2</sup> together form a residue of formula -C(CH<sub>3</sub>)=CH-O-, -CH=CH-NH-, or -N=C(CH<sub>3</sub>)-C(CH<sub>3</sub>)=N-;

or X<sup>1</sup> and X<sup>2</sup> together form a residue of formula -CH=N-NH- and X<sup>3</sup> is -SO<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>.

In another embodiment, R<sup>2</sup> is C<sub>6-15</sub>-aryl or 5-15 membered heteroaryl.

In another embodiment, R<sup>20</sup> and R<sup>21</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl, in which said C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from C<sub>1-6</sub>-alkyl, halogen, and -OH. In another embodiment, R<sup>20</sup> and R<sup>21</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or -OH. In another embodiment, R<sup>20</sup> and R<sup>21</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-alkyl-R<sup>20a</sup>, C<sub>1-6</sub>-alkyl-(OH)<sub>2</sub>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>3-6</sub> cycloalkyl, 5-6 membered heterocycloalkyl, and 5-6 membered heterocycloalkyl-R<sup>20e</sup>, wherein R<sup>20a</sup> is chosen from -C≡N, -C(=O)OH, -C(=O)OC<sub>1-6</sub>-alkyl, 5-6 membered heterocycloalkyl, -OH, -OC<sub>1-6</sub>-alkyl, -OCH<sub>2</sub>phenyl, -C(=O)NH<sub>2</sub>, -NH<sub>2</sub>, and -NHC(=O)C<sub>1-6</sub>-alkyl, and R<sup>20e</sup> is chosen from -OH, C<sub>1-6</sub>-alkyl, and -N(C<sub>1-6</sub>-alkyl)<sub>2</sub>. In another embodiment, R<sup>20</sup> and R<sup>21</sup> at each occurrence are independently chosen from H, -CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>C≡N, -CH<sub>2</sub>CH<sub>2</sub>C≡N, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>C(=O)OCH<sub>3</sub>, -CH<sub>2</sub>CH(OH)CH<sub>2</sub>OH, -(CH<sub>2</sub>)<sub>2</sub>-morpholinyl, -(CH<sub>2</sub>)<sub>2</sub>OH, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>C(=O)NH<sub>2</sub>, -CH<sub>2</sub>C(=O)OH, -CH<sub>2</sub>C≡CH, -CH<sub>2</sub>C=CH<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub>,



$-(\text{CH}_2)_2\text{NHC}(=\text{O})\text{CH}_3$ , tetrahydrofuranyl,  $-\text{CH}_2$ -tetrahydrofuranyl, tetrahydropyranyl,  $-(\text{CH}_2)_3\text{O}$ -benzyl, 3-hydroxypyrrolidin-1-yl, morpholin-4-yl, 4-methylpiperazin-1-yl, pyrrolidin-1-yl, 3-(dimethylamino)pyrrolidin-1-yl, 3-methylpyrrolidin-1-yl, and cyclopropyl. In another embodiment,  $\text{R}^{20}$  and  $\text{R}^{21}$  at each occurrence are independently
   
 5 chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl or  $-\text{OH}$ . In another embodiment,  $\text{R}^{20}$  and  $\text{R}^{21}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl or  $-\text{OH}$ . In
   
 10 another embodiment,  $\text{R}^{20}$  and  $\text{R}^{21}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment,  $\text{R}^{20}$  and  $\text{R}^{21}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -fluoroalkyl, and  $\text{C}_{3-6}$ -cycloalkyl. In another embodiment,  $\text{R}^{20}$  and  $\text{R}^{21}$  at each occurrence are independently chosen from H and  $\text{C}_{1-6}$ -alkyl.
   
 15 alkyl.

In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered
   
 20 heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $\text{C}_{1-6}$ -alkyl, halogen, and  $-\text{OH}$ ; or  $\text{R}^{22}$  and  $\text{R}^{23}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally
   
 25 substituted by one or more substituents independently chosen from  $\text{C}_{1-6}$ -alkyl, halogen, and  $-\text{OH}$ . In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-\text{OH}$ ; or  $\text{R}^{22}$  and  $\text{R}^{23}$  may form, together with the nitrogen atom
   
 30 to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from  $\text{C}_{1-6}$ -alkyl. In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl- $\text{R}^{20b}$ , and  $\text{C}_{2-6}$ -alkynyl, wherein  $\text{R}^{20b}$  is chosen from  $-\text{OH}$ ,  $-\text{OC}_{1-6}$ -alkyl,



cyclopropyl,  $-\text{C}\equiv\text{N}$ ,  $-\text{N}(\text{C}_{1-6}\text{-alkyl})_2$ , and 5-6 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}\text{-alkyl}$ . In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $-\text{CH}_3$ ,  $-(\text{CH}_2)_2\text{OH}$ ,  $-(\text{CH}_2)_2\text{-pyrrolidinyl}$ ,  $-\text{CH}_2\text{-cyclopropyl}$ ,  $-(\text{CH}_2)_2\text{-N-methylpiperazinyl}$ ,  $-(\text{CH}_2)_2\text{C}\equiv\text{N}$ ,  $-\text{CH}_2\text{C}\equiv\text{N}$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-(\text{CH}_2)_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_3\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-(\text{CH}_2)_2\text{N}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OCH}_3$ ,  $-(\text{CH}_2)_3\text{OCH}_3$ ,  $-(\text{CH}_2)_4\text{N}(\text{CH}_3)_2$ , and  $-(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ . In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$  optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ , 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-\text{OH}$ ; or  $\text{R}^{22}$  and  $\text{R}^{23}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from  $\text{C}_{1-6}\text{-alkyl}$ . In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$  optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ , and 3-15 membered heterocycloalkyl; or  $\text{R}^{22}$  and  $\text{R}^{23}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$  optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ , and 3-15 membered heterocycloalkyl. In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$  optionally substituted by  $-\text{OH}$ ,  $\text{C}_{2-6}\text{-alkynyl}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ ,  $\text{C}_{6-15}\text{-aryl}$ , 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-\text{OH}$ . In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{2-6}\text{-alkynyl}$ , and  $\text{C}_{3-6}\text{-cycloalkyl}$ . In another embodiment,  $\text{R}^{22}$  and  $\text{R}^{23}$  at each occurrence are independently chosen from H and  $\text{C}_{1-6}\text{-alkyl}$ .

In another embodiment,  $\text{R}^{25}$  at each occurrence are independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{60}$ ,  $=\text{O}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl-O-C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ ,  $\text{C}_{2-6}\text{-alkenyl}$ ,  $\text{C}_{2-6}\text{-alkynyl}$ ,  $\text{C}_{6-15}\text{-aryl-(R}^{77})_x$ , 5-15 membered heteroaryl-( $\text{R}^{77})_x$ ,  $\text{C}_{3-10}$  cycloalkyl-( $\text{R}^{77})_x$ , 3-15 membered heterocycloalkyl-( $\text{R}^{77})_x$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{60}$ ,  $-\text{OC}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OP}(=\text{O})(\text{OH})_2$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ , and  $-\text{SCF}_3$ , wherein  $\text{R}^{77}$  at each occurrence is independently chosen from  $\text{C}_{1-6}\text{-alkyl}$ . In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen



from halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{60}$ ,  $-\text{OC}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ , and  $-\text{SCF}_3$ . In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_2\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCF}_3$ ,  $-\text{OC}(=\text{O})\text{R}^{60}$ ,  $-\text{OC}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ , and  $-\text{NR}^{60}\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ . In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from halogen,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{C}\equiv\text{N}$ ,  $-\text{NHC}_{1-6}$ -alkyl,  $-\text{NR}^{20c}\text{R}^{20d}$ ,  $-\text{OH}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $-\text{OC}_{1-6}$ -alkyl,  $-\text{C}(=\text{O})\text{OH}$ , and 5-6 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl, wherein  $\text{R}^{20c}$  is chosen from H and  $\text{C}_{1-6}$ -alkyl,  $\text{R}^{20d}$  is chosen from  $\text{C}_{1-6}$ -alkyl-OH, and  $-\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl. In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from halogen,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{C}\equiv\text{N}$ ,  $-\text{NHC}_{1-6}$ -alkyl,  $-\text{NR}^{20c}\text{R}^{20d}$ ,  $-\text{OH}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $-\text{OC}_{1-6}$ -alkyl,  $-\text{C}(=\text{O})\text{OH}$ , and 6 membered heterocycloalkyl substituted by  $\text{C}_{1-6}$ -alkyl, wherein  $\text{R}^{20c}$  is chosen from H and  $\text{C}_{1-6}$ -alkyl,  $\text{R}^{20d}$  is chosen from  $\text{C}_{1-6}$ -alkyl-OH, and  $-\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl. In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from F,  $-\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{N}(\text{Et})(\text{CH}_2)_2\text{OH}$ ,  $-\text{NHCH}_3$ ,  $-\text{N}(\text{CH}_3)\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{NH}(\text{CH}_2)_2\text{OH}$ ,  $-\text{C}\equiv\text{N}$ ,  $-(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{CH}_3$ ,  $-\text{NHCH}_2\text{CH}_3$ ,  $-\text{OH}$ ,  $-\text{OCH}_3$ ,  $-\text{CF}_3$ ,  $-\text{CH}_2\text{OCH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{OH}$ ,  $-\text{CH}(\text{CH}_3)_2$ , 4-methyl-piperazin-1-yl, and 1-methyl-piperidin-4-yl. In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from halogen,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_2\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ , and  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ . In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from halogen,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl,  $-\text{S}(=\text{O})_2\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ , and  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ . In another embodiment,  $\text{R}^{25}$  at each occurrence is independently chosen from  $-\text{OR}^{60}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl, and  $-\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl.



In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{C}(=\text{O})\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{30}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{32}\text{R}^{33}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{C}(=\text{O})\text{OR}^{30}$ ,  $-\text{C}_{1-6}$ -alkyl-CN,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{30}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{30}$ ,  $-\text{OC}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{OR}^{31}$ ,  $-\text{NR}^{30}\text{S}(=\text{O})_2\text{R}^{31}$ , and  $-\text{SCF}_3$ . In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{C}(=\text{O})\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{30}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{30}$ ,  $-\text{OC}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{OR}^{31}$ ,  $-\text{NR}^{30}\text{S}(=\text{O})_2\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ , and  $-\text{NR}^{30}\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ . In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{30}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCF}_3$ ,  $-\text{OC}(=\text{O})\text{R}^{30}$ ,  $-\text{OC}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C}(=\text{O})\text{OR}^{31}$ ,  $-\text{NR}^{30}\text{S}(=\text{O})_2\text{R}^{31}$ , and  $-\text{NR}^{30}\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ . In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-6}$ -alkyl, and  $\text{C}_{1-6}$ -haloalkyl. In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{R}^{30}$ , and  $-\text{NR}^{30}\text{R}^{31}$ . In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-\text{OC}_{1-6}$ -alkyl,  $-\text{OC}_{1-6}$ -fluoroalkyl,  $-\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl, and  $-\text{NH}_2$ . In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are independently chosen from H, halogen, and  $-\text{OC}_{1-6}$ -alkyl. In another embodiment,  $R^3$  is chosen from H, halogen,  $-\text{OC}_{1-6}$ -alkyl, and  $-\text{OC}_{1-6}$ -fluoroalkyl,  $R^4$  is chosen from H, halogen,  $-\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl, and  $-\text{NH}_2$ , and  $R^5$  is chosen from H, halogen, and  $-\text{OC}_{1-6}$ -alkyl. In another embodiment,  $R^3$  is chosen from H, F, Cl,  $-\text{OCH}_3$ , and  $-\text{OCH}_2\text{CF}_3$ ,  $R^4$  is chosen from H, F,  $-\text{C}(=\text{O})\text{CH}_3$ , and  $-\text{NH}_2$ , and  $R^5$  is chosen from H, Cl, Br, and  $-\text{OCH}_3$ .

In another embodiment,  $R^3$ ,  $R^4$ , and  $R^5$  are defined as in any of the above embodiments, except that at least one of  $R^3$ ,  $R^4$ , and  $R^5$  is not hydrogen. In another embodiment, the compound is a compound of Formula I, and  $R^3$  is defined as in any of the above embodiments, except that  $R^3$  is not hydrogen or halogen when both of the following are simultaneously true:

- (a)  $R^4$  is hydrogen,  $\text{C}_{1-6}$ -alkyl,  $-\text{O}-\text{C}_{1-6}$ -alkyl, or halogen, and
- (b)  $R^5$  is hydrogen.



In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ . In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl, and  $C_{1-6}$ -fluoroalkyl. In another embodiment,  $R^{30}$  and  $R^{31}$  at each occurrence are independently chosen from H and  $C_{1-6}$ -alkyl.

In another embodiment,  $R^{32}$  and  $R^{33}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ ; or  $R^{32}$  and  $R^{33}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ . In another embodiment,  $R^{32}$  and  $R^{33}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-OH$ ; or  $R^{32}$  and  $R^{33}$  may form, together with the nitrogen atom



to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>32</sup> and R<sup>33</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>32</sup> and R<sup>33</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>32</sup> and R<sup>33</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl; or R<sup>32</sup> and R<sup>33</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment, R<sup>32</sup> and R<sup>33</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH. In another embodiment, R<sup>32</sup> and R<sup>33</sup> at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl.

In another embodiment, R<sup>35</sup> at each occurrence are independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>60</sup>, =O, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl-(R<sup>77</sup>)<sub>x</sub>, 5-15 membered heteroaryl-(R<sup>77</sup>)<sub>x</sub>, C<sub>3-10</sub> cycloalkyl-(R<sup>77</sup>)<sub>x</sub>, 3-15 membered heterocycloalkyl-(R<sup>77</sup>)<sub>x</sub>, pseudohalogen, -S(=O)<sub>n</sub>R<sup>60</sup>, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>60</sup>, -OC(=O)NR<sup>62</sup>R<sup>63</sup>, -OP(=O)(OH)<sub>2</sub>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, -NR<sup>60</sup>C(=O)OR<sup>61</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>, -NR<sup>60</sup>C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, and -SCF<sub>3</sub>, wherein R<sup>77</sup> at each occurrence is independently chosen from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>35</sup> at each occurrence is independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen, -S(=O)<sub>n</sub>R<sup>60</sup>, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>60</sup>, -OC(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, -NR<sup>60</sup>C(=O)OR<sup>61</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>, -NR<sup>60</sup>C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, and -SCF<sub>3</sub>. In another embodiment, R<sup>35</sup> at



each occurrence is independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{O}-\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_n\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCF}_3$ ,  $-\text{OC}(=\text{O})\text{R}^{60}$ ,  $-\text{OC}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ , and  $-\text{NR}^{60}\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ . In another embodiment,  $\text{R}^{35}$  at each occurrence is independently chosen from halogen,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_2\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ , and  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ . In another embodiment,  $\text{R}^{35}$  at each occurrence is independently chosen from halogen,  $-\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl,  $-\text{S}(=\text{O})_2\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ , and  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ . In another embodiment,  $\text{R}^{35}$  at each occurrence is independently chosen from halogen,  $\text{C}_{1-6}$ -alkyl, and  $-\text{OH}$ .

In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are independently chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$ ,  $-\text{S}(=\text{O})_2-$ , and  $-\text{O}-$ . In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are independently chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})_2-$ , and  $-\text{O}-$ . In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ , and  $\text{A}^5$  are independently chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$ ,  $-\text{S}(=\text{O})_2-$ , and  $-\text{O}-$ , and  $\text{A}^4$  is chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-(\text{CZ}^1\text{Z}^2)_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$ ,  $-\text{S}(=\text{O})_2-$ , and  $-\text{O}-$ . In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ , and  $\text{A}^3$  are independently chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ , and  $-\text{O}-$ ,  $\text{A}^4$  is chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-(\text{CZ}^1\text{Z}^2)_2-$ ,  $-\text{C}(=\text{O})-$ , and  $-\text{NZ}^3-$ , and  $\text{A}^5$  is chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})_2-$ , and  $-\text{O}-$ . In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ , and  $\text{A}^3$  are independently chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ , and  $-\text{O}-$ ,  $\text{A}^4$  is chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ , and  $-\text{NZ}^3-$ , and  $\text{A}^5$  is chosen from  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})_2-$ , and  $-\text{O}-$ . In another embodiment,  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is a group of formula  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{NZ}^3-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{C}(=\text{O})-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{O}-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{O}-\text{C}(=\text{O})-\text{NZ}^3-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-$ ,  $-\text{CZ}^1\text{Z}^2-\text{O}-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-$ ,  $-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{O}-$ ,  $-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{S}-$ ,  $-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{SO}_2-$ ,  $-\text{CZ}^1\text{Z}^2-$



$NZ^3-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CZ^1Z^2-CZ^1Z^2-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-NZ^3-$   
 $CZ^1Z^2-$ ,  $-C(=O)-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ ,  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ ,  $-$   
 $C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-O-$ ,  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-NZ^3-CZ^1Z^2-CZ^1Z^2-$   
 $CZ^1Z^2-CZ^1Z^2-$ ,  $-NZ^3-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-O-$ ,  $-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-$   
5  $CZ^1Z^2-CZ^1Z^2-NZ^3-C(=O)-$ ,  $-NZ^3-CZ^1Z^2-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-$   
 $CZ^1Z^2-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-CZ^1Z^2-O-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-$   
 $C(=O)-O-CZ^1Z^2-CZ^1Z^2-$ ,  $-O-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ ,  $-O-CZ^1Z^2-CZ^1Z^2-NZ^3-$   
 $C(=O)-$ ,  $-O-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-O-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-O-$ ,  $-CZ^1Z^2-NZ^3-$   
 $C(=O)-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ , or  $-NZ^3-CZ^1Z^2-C(=O)-$   
10  $CZ^1Z^2-O-$ . In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of formula  $-CZ^1Z^2-$   
 $CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ ,  $-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$   
 $C(=O)-NZ^3-$ ,  $-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-NZ^3-C(=O)-$ ,  $-CZ^1Z^2-CZ^1Z^2-C(=O)-CZ^1Z^2-CZ^1Z^2-$ ,  
 $-CZ^1Z^2-CZ^1Z^2-NZ^3-CZ^1Z^2-CZ^1Z^2-$ ,  $-CZ^1Z^2-CZ^1Z^2-O-CZ^1Z^2-CZ^1Z^2-$ ,  $-CZ^1Z^2-CZ^1Z^2-$   
 $NZ^3-C(=O)-CZ^1Z^2-$ ,  $-CZ^1Z^2-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-CZ^1Z^2-O-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-$   
15  $CZ^1Z^2-NZ^3-CZ^1Z^2-CZ^1Z^2-O-$ ,  $-CZ^1Z^2-NZ^3-CZ^1Z^2-CZ^1Z^2-S-$ ,  $-CZ^1Z^2-NZ^3-CZ^1Z^2-CZ^1Z^2-$   
 $SO_2-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ ,  $-C(=O)-$   
 $NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-CH_2-$ ,  $-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$   
 $C(=O)-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-$ ,  $-O-CZ^1Z^2-CZ^1Z^2-NZ^3-C(=O)-$ , or  $-O-$   
 $CZ^1Z^2-CZ^1Z^2-CZ^1Z^2-O-$ . In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of  
20 formula  $-CH_2-CZ^1Z^2-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-$   
 $CZ^1Z^2-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-$   
 $CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-CH_2-$   
 $CH_2-NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-$   
 $NZ^3-C(=O)-CZ^1Z^2-$ ,  $-CH_2-C(=O)-NZ^3-CH_2-CH_2-$ ,  $-CH_2-NZ^3-CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-$   
25  $CH_2-CH_2-NZ^3-$ ,  $-CH_2-NZ^3-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-S-$ ,  $-CH_2-NZ^3-CH_2-CH_2-$   
 $SO_2-$ ,  $-CH_2-NZ^3-CH_2-C(=O)-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CH_2-CH_2-$ ,  $-CH_2-NZ^3-C(=O)-$   
 $CH=CH-$ ,  $-CH_2-NZ^3-C(=O)-NZ^3-CH_2-$ ,  $-C(=O)-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-$   
 $CH_2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-O-$ ,  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-NZ^3-$   
 $CH_2-CZ^1Z^2-CH_2-CZ^1Z^2-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-O-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-$   
30  $CH_2-CH_2-NZ^3-C(=O)-$ ,  $-NZ^3-CH_2-C(=O)-NZ^3-CH_2-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-CH_2-CZ^1Z^2-$ ,  $-$   
 $NZ^3-C(=O)-CH_2-CH_2-O-$ ,  $-NZ^3-C(=O)-CH_2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-O-CH_2-CH_2-$ ,  $-$   
 $O-CH_2-CH_2-CH_2-CZ^1Z^2-$ ,  $-O-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-O-CH_2-CZ^1Z^2-CH_2-NZ^3-$ ,  $-O-$   
 $CH_2-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-C(=O)-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-CH_2-CH_2-CH_2-$ ,  $-$   
 $NZ^3-CZ^1Z^2-C(=O)-CH_2-O-$ ,  $-NZ^3-CZ^1Z^2-CH=CH-O-$ ,  $-NZ^3-CZ^1Z^2-CH_2-CH_2-CZ^1Z^2-$ , or



$-NZ^3-CZ^1Z^2-CH_2-NZ^3-CH_2-$ . In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of formula  $-CH_2-CHZ^1-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CHZ^1-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-CHZ^1-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-CH_2-CH_2-NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-NZ^3-C(=O)-CHZ^1-$ ,  $-CH_2-C(=O)-NZ^3-CH_2-CH_2-$ ,  $-CH_2-NZ^3-CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-CH_2-CH_2-NZ^3-$ ,  $-CH_2-NZ^3-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-S-$ ,  $-CH_2-NZ^3-CH_2-CH_2-SO_2-$ ,  $-CH_2-NZ^3-CH_2-C(=O)-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CH_2-CH_2-$ ,  $-CH_2-NZ^3-C(=O)-CH=CH-$ ,  $-CH_2-NZ^3-C(=O)-NZ^3-CH_2-$ ,  $-C(=O)-CH_2-CHZ^1-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-O-$ ,  $-C(=O)-NZ^3-CHZ^1-CHZ^1-NZ^3-$ ,  $-NZ^3-CH_2-CHZ^1-CH_2-CZ^1Z^2-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-O-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-NZ^3-CH_2-C(=O)-NZ^3-CH_2-$ ,  $-NZ^3-C(=O)-CHZ^1-CH_2-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-CH_2-CH_2-O-$ ,  $-NZ^3-C(=O)-CH_2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-O-CH_2-CH_2-$ ,  $-O-CH_2-CH_2-CH_2-CZ^1Z^2-$ ,  $-O-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-O-CH_2-CZ^1Z^2-CH_2-NZ^3-$ ,  $-O-CH_2-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-C(=O)-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-CH_2-CH_2-CH_2-$ ,  $-NZ^3-CZ^1Z^2-C(=O)-CH_2-O-$ ,  $-NZ^3-CZ^1Z^2-CH=CH-O-$ ,  $-NZ^3-CZ^1Z^2-CH_2-CH_2-CZ^1Z^2-$ , or  $-NZ^3-CZ^1Z^2-CH_2-NZ^3-CH_2-$ . In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of formula  $-CH_2-CHZ^1-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CHZ^1-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-CHZ^1-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-C(=O)-NH-CZ^1Z^2-$ ,  $-CH_2-CH_2-NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-NZ^3-C(=O)-CHZ^1-$ ,  $-CH_2-C(=O)-NZ^3-CH_2-CH_2-$ ,  $-CH_2-NZ^3-CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-CH_2-CH_2-NZ^3-$ ,  $-CH_2-NZ^3-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-S-$ ,  $-CH_2-NH-CH_2-CH_2-SO_2-$ ,  $-CH_2-NZ^3-CH_2-C(=O)-NH-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CH_2-CH_2-$ ,  $-CH_2-NZ^3-C(=O)-CH=CH-$ ,  $-CH_2-NH-C(=O)-NH-CH_2-$ ,  $-C(=O)-CH_2-CHZ^1-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-CH_2-$ ,  $-C(=O)-NH-CH_2-CH_2-O-$ ,  $-C(=O)-NZ^3-CHZ^1-CHZ^1-NZ^3-$ ,  $-NH-CH_2-CHZ^1-CH_2-CZ^1Z^2-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-O-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-NZ^3-CH_2-C(=O)-NH-CH_2-$ ,  $-NZ^3-C(=O)-CHZ^1-CH_2-CZ^1Z^2-$ ,  $-NH-C(=O)-CH_2-CH_2-O-$ ,  $-NZ^3-C(=O)-CH_2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-O-CH_2-CH_2-$ ,  $-O-CH_2-CH_2-CH_2-CZ^1Z^2-$ ,  $-O-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-O-CH_2-CZ^1Z^2-CH_2-NZ^3-$ ,  $-O-CH_2-CH_2-CH_2-O-$ ,  $-CH_2-NH-C(=O)-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-CH_2-CH_2-CH_2-$ ,  $-NZ^3-CZ^1Z^2-C(=O)-CH_2-O-$ ,  $-NZ^3-CZ^1Z^2-CH=CH-O-$ ,  $-NZ^3-CZ^1Z^2-CH_2-CH_2-CZ^1Z^2-$ , or  $-NZ^3-CZ^1Z^2-CH_2-NH-CH_2-$ . In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of formula  $-CH_2-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-$



$C(=O)-NZ^3-$ ,  $-CH_2-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-$   
 $NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-NZ^3-C(=O)-CZ^1Z^2-$ ,  $-CH_2-NZ^3-$   
 $CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-CH_2-CH_2-NZ^3-$ ,  $-CH_2-NH-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-$   
 $S-$ ,  $-CH_2-NH-CH_2-CH_2-SO_2-$ ,  $-CH_2-NH-C(=O)-NH-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-CH_2-$   
5  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-$   
 $C(=O)-$ ,  $-NZ^3-C(=O)-CH_2-CH_2-CH_2-$ ,  $-O-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-O-CH_2-CH_2-CH_2-O-$ ,  
 $-CHZ^1-CH_2-CH_2-CHZ^1-CH_2-$ ,  $-CHZ^1-CH_2-NZ^3-CH_2-CHZ^1-$ ,  $-CH_2-O-CH_2-CHZ^1-NZ^3-$ ,  
or  $-CH_2-CHZ^1-CH_2-CH_2-CHZ^1-$ . In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group  
of formula  $-CH_2-CZ^1Z^2-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-$   
10  $CZ^1Z^2-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-$   
 $CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-CH_2-$   
 $CH_2-NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-$   
 $NZ^3-C(=O)-CZ^1Z^2-$ ,  $-CH_2-C(=O)-NZ^3-CH_2-CH_2-$ ,  $-CH_2-NZ^3-CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-$   
 $CH_2-CH_2-NZ^3-$ ,  $-CH_2-NZ^3-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-S-$ ,  $-CH_2-NZ^3-CH_2-CH_2-$   
15  $SO_2-$ ,  $-CH_2-NZ^3-CH_2-C(=O)-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CH_2-CH_2-$ ,  $-CH_2-NZ^3-C(=O)-$   
 $CH=CH-$ ,  $-CH_2-NZ^3-C(=O)-NZ^3-CH_2-$ ,  $-C(=O)-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-$   
 $CH_2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-O-$ ,  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-NZ^3-$   
 $CH_2-CZ^1Z^2-CH_2-CZ^1Z^2-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-O-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-$   
 $CH_2-CH_2-NZ^3-C(=O)-$ ,  $-NZ^3-CH_2-C(=O)-NZ^3-CH_2-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-CH_2-CZ^1Z^2-$ ,  $-$   
20  $NZ^3-C(=O)-CH_2-CH_2-O-$ ,  $-NZ^3-C(=O)-CH_2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-O-CH_2-CH_2-$ ,  $-$   
 $O-CH_2-CH_2-CH_2-CZ^1Z^2-$ ,  $-O-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-O-CH_2-CZ^1Z^2-CH_2-NZ^3-$ ,  $-O-$   
 $CH_2-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-C(=O)-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-CH_2-CH_2-CH_2-$ ,  $-$   
 $NZ^3-CZ^1Z^2-C(=O)-CH_2-O-$ ,  $-NZ^3-CZ^1Z^2-CH=CH-O-$ ,  $-NZ^3-CZ^1Z^2-CH_2-CH_2-CZ^1Z^2-$ , or  
 $-NZ^3-CZ^1Z^2-CH_2-NZ^3-CH_2-$ , wherein any two  $Z^1$ ,  $Z^2$ , and  $Z^3$  that are located on adjacent  
25 atoms may together form a bond between the atoms, each  $Z^1$  and  $Z^2$  may independently be  
chosen from H, halogen,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-OR<sup>76</sup>,  $-NR^{40}R^{41}$ ,  $-OR^{76}$ , 5-7 membered  
heterocycloalkyl, 5-7 membered heterocycloalkyl-R<sup>45</sup>,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl,  $-$   
 $N(R^{76})C(=O)C_{1-6}$ -haloalkyl,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl- $N(R^{76})_2$ ,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl-  
OR<sup>76</sup>,  $-N(R^{76})C(=O)-(5-7 \text{ membered heterocycloalkyl})$ ,  $-N(R^{76})C(=O)-(C_{3-6}\text{-cycloalkyl})$ ,  
30 and  $-N(R^{76})C(=O)OC_{1-6}$ -alkyl,  $R^{40}$  and  $R^{41}$  are independently chosen from H,  $C_{1-6}$ -alkyl,  
 $C_{1-4}$ -haloalkyl,  $-C_{1-6}$ -alkyl-OR<sup>76</sup>,  $-C_{1-6}$ -alkyl- $N(R^{76})_2$ , and  $C_{3-6}$ -cycloalkyl,  $R^{45}$  is chosen  
from  $-OR^{76}$ ,  $C_{1-6}$ -alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered  
heterocycloalkyl- $C_{1-6}$ -alkyl, each  $R^{76}$  is independently chosen from H and  $C_{1-6}$ -alkyl,  $Z^3$   
may be chosen from H,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-R<sup>45a</sup>,  $-C_{1-6}$ -alkyl-(O- $C_{1-6}$ -alkyl)<sub>2</sub>,  $-C(=O)C_{1-}$



$6$ -alkyl,  $-C(=O)C_{1-6}$ -alkyl- $R^{45b}$ ,  $-C(=O)C_{1-6}$ -haloalkyl,  $-C(=O)$ -(5-7 membered heterocycloalkyl),  $-C(=O)$ -(5-7 membered heteroaryl),  $C_{1-6}$ -haloalkyl,  $-C(=O)OC_{1-6}$ -alkyl,  $-C(=O)OC_{1-6}$ -alkyl- $R^{45c}$ ,  $-C(=O)O$ -(5-7-membered heterocycloalkyl- $C_{1-6}$ -alkyl),  $-C(=O)N(R^{62})_2$ ,  $-C_{1-6}$ -haloalkyl- $OR^{62}$ ,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, and  $-S(=O)_2-C_{1-6}$ -alkyl,

$R^{45a}$  is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl,  $C_{3-6}$ -cycloalkyl, 5-6 membered heteroaryl, 5-6 membered heteroaryl- $C_{1-6}$ -alkyl, phenyl,  $-SO_2-C_{1-6}$ -alkyl,  $-C(=O)NR^{62}R^{63}$ ,  $-C(=O)OC_{1-6}$ -alkyl- $O-C_{1-4}$ -alkyl,  $-C(=O)OR^{62}$ ,  $-C(=O)$ -(4-7 membered heterocycloalkyl),  $-C(=O)$ -(5-7 membered heterocycloalkyl- $C_{1-6}$ -alkyl),  $-OC(=O)C_{1-6}$ -alkyl,  $-OC(=O)C_{1-6}$ -alkyl- $N(R^{62})_2$ ,  $-OP(=O)(OH)_2$ ,  $-N(R^{62})C(=O)-C_{1-6}$ -alkyl,  $-N(R^{62})_2$ ,

phenyl, and  $-C\equiv N$ ,  $R^{45b}$  is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl- $(R^{79})_x$ , and  $-N(R^{62})_2$ ,  $R^{45c}$  is chosen from  $-OR^{62}$ , phenyl, and  $-N(R^{62})_2$ , each  $R^{62}$  and  $R^{63}$  is independently chosen from H and  $C_{1-6}$ -alkyl, each  $R^{79}$  is =O, and x is 0, 1, or 2. In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of formula  $-CH_2-CHZ^1-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CHZ^1-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-CHZ^1-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-CH_2-CH_2-NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-NZ^3-C(=O)-CHZ^1-$ ,  $-CH_2-C(=O)-NZ^3-CH_2-CH_2-$ ,  $-CH_2-NZ^3-CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-CH_2-CH_2-NZ^3-$ ,  $-CH_2-NZ^3-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-S-$ ,  $-CH_2-NZ^3-CH_2-CH_2-SO_2-$ ,  $-CH_2-NZ^3-CH_2-C(=O)-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CH_2-CH_2-$ ,  $-CH_2-NZ^3-C(=O)-CH=CH-$ ,  $-CH_2-NZ^3-C(=O)-NZ^3-CH_2-$ ,  $-C(=O)-CH_2-CHZ^1-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-O-$ ,  $-C(=O)-NZ^3-CHZ^1-CHZ^1-NZ^3-$ ,  $-NZ^3-CH_2-CHZ^1-CH_2-CZ^1Z^2-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-O-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-NZ^3-CH_2-C(=O)-NZ^3-CH_2-$ ,  $-NZ^3-C(=O)-CHZ^1-CH_2-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-CH_2-CH_2-O-$ ,  $-NZ^3-C(=O)-CH_2-NZ^3-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-O-CH_2-CH_2-$ ,  $-O-CH_2-CH_2-CH_2-CZ^1Z^2-$ ,  $-O-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-O-CH_2-CZ^1Z^2-CH_2-NZ^3-$ ,  $-O-CH_2-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-C(=O)-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-CH_2-CH_2-CH_2-$ ,  $-NZ^3-CZ^1Z^2-C(=O)-CH_2-O-$ ,  $-NZ^3-CZ^1Z^2-CH=CH-O-$ ,  $-NZ^3-CZ^1Z^2-CH_2-CH_2-CZ^1Z^2-$ , or  $-NZ^3-CZ^1Z^2-CH_2-NZ^3-CH_2-$ , wherein any two  $Z^1$ ,  $Z^2$ , and  $Z^3$  that are located on adjacent

atoms may together form a bond between the atoms, each  $Z^1$  and  $Z^2$  may independently be chosen from H, halogen,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $OR^{76}$ ,  $-NR^{40}R^{41}$ ,  $-OR^{76}$ , 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl- $R^{45}$ ,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl,  $-N(R^{76})C(=O)C_{1-6}$ -haloalkyl,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl- $N(R^{76})_2$ ,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl- $OR^{76}$ ,  $-N(R^{76})C(=O)$ -(5-7 membered heterocycloalkyl),  $-N(R^{76})C(=O)$ -( $C_{3-6}$ -cycloalkyl),



and  $-N(R^{76})C(=O)OC_{1-6}\text{-alkyl}$ ,  $R^{40}$  and  $R^{41}$  are independently chosen from H,  $C_{1-6}\text{-alkyl}$ ,  $C_{1-4}\text{-haloalkyl}$ ,  $-C_{1-6}\text{-alkyl-OR}^{76}$ ,  $-C_{1-6}\text{-alkyl-N}(R^{76})_2$ , and  $C_{3-6}\text{-cycloalkyl}$ ,  $R^{45}$  is chosen from  $-OR^{76}$ ,  $C_{1-6}\text{-alkyl}$ , 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl- $C_{1-6}\text{-alkyl}$ , each  $R^{76}$  is independently chosen from H and  $C_{1-6}\text{-alkyl}$ ,  $Z^3$  may be chosen from H,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl-R}^{45a}$ ,  $-C_{1-6}\text{-alkyl-(O-}C_{1-6}\text{-alkyl)}_2$ ,  $-C(=O)C_{1-6}\text{-alkyl}$ ,  $-C(=O)C_{1-6}\text{-alkyl-R}^{45b}$ ,  $-C(=O)C_{1-6}\text{-haloalkyl}$ ,  $-C(=O)\text{-}(5\text{-}7\text{ membered heterocycloalkyl)}$ ,  $-C(=O)\text{-}(5\text{-}7\text{ membered heteroaryl)}$ ,  $C_{1-6}\text{-haloalkyl}$ ,  $-C(=O)OC_{1-6}\text{-alkyl}$ ,  $-C(=O)OC_{1-6}\text{-alkyl-R}^{45c}$ ,  $-C(=O)O\text{-}(5\text{-}7\text{-membered heterocycloalkyl-}C_{1-6}\text{-alkyl)}$ ,  $-C(=O)N(R^{62})_2$ ,  $-C_{1-6}\text{-haloalkyl-OR}^{62}$ ,  $C_{2-6}\text{-alkenyl}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2\text{-}C_{1-6}\text{-alkyl}$ ,  $R^{45a}$  is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl,  $C_{3-6}\text{-cycloalkyl}$ , 5-6 membered heteroaryl, 5-6 membered heteroaryl- $C_{1-6}\text{-alkyl}$ , phenyl,  $-SO_2\text{-}C_{1-6}\text{-alkyl}$ ,  $-C(=O)NR^{62}R^{63}$ ,  $-C(=O)OC_{1-6}\text{-alkyl-O-}C_{1-4}\text{-alkyl}$ ,  $-C(=O)OR^{62}$ ,  $-C(=O)\text{-}(4\text{-}7\text{ membered heterocycloalkyl)}$ ,  $-C(=O)\text{-}(5\text{-}7\text{ membered heterocycloalkyl-}C_{1-6}\text{-alkyl)}$ ,  $-OC(=O)C_{1-6}\text{-alkyl}$ ,  $-OC(=O)C_{1-6}\text{-alkyl-N}(R^{62})_2$ ,  $-OP(=O)(OH)_2$ ,  $-N(R^{62})C(=O)\text{-}C_{1-6}\text{-alkyl}$ ,  $-N(R^{62})_2$ , phenyl, and  $-C\equiv N$ ,  $R^{45b}$  is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl- $(R^{79})_x$ , and  $-N(R^{62})_2$ ,  $R^{45c}$  is chosen from  $-OR^{62}$ , phenyl, and  $-N(R^{62})_2$ , each  $R^{62}$  and  $R^{63}$  is independently chosen from H and  $C_{1-6}\text{-alkyl}$ , each  $R^{79}$  is =O, and x is 0, 1, or 2. In another embodiment,  $-A^1\text{-}A^2\text{-}A^3\text{-}A^4\text{-}A^5\text{-}$  is a group of formula  $-CH_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-CH}_2\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-}$ ,  $-CZ^1Z^2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-CZ^1Z^2\text{-CH}_2\text{-CZ}^1Z^2\text{-C(=O)-NZ}^3\text{-}$ ,  $-CH_2\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  $-CH_2\text{-CH}_2\text{-C(=O)-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-CH}_2\text{-C(=O)-NH-CZ}^1Z^2\text{-}$ ,  $-CH_2\text{-CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-CH}_2\text{-O-C(=O)-NZ}^3\text{-}$ ,  $-CH_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-CHZ}^1\text{-}$ ,  $-CH_2\text{-C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-CH_2\text{-O-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-CH_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  $-CH_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-S-}$ ,  $-CH_2\text{-NH-CH}_2\text{-CH}_2\text{-SO}_2\text{-}$ ,  $-CH_2\text{-NZ}^3\text{-CH}_2\text{-C(=O)-NH-}$ ,  $-CZ^1Z^2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2\text{-}$ ,  $-CH_2\text{-NZ}^3\text{-C(=O)-CH=CH-}$ ,  $-CH_2\text{-NH-C(=O)-NH-CH}_2\text{-}$ ,  $-C(=O)\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-C(=O)\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-C(=O)\text{-NH-CH}_2\text{-CH}_2\text{-O-}$ ,  $-C(=O)\text{-NZ}^3\text{-CHZ}^1\text{-CHZ}^1\text{-NZ}^3\text{-}$ ,  $-NH\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CZ}^1Z^2\text{-}$ ,  $-NZ^3\text{-CH}_2\text{-CZ}^1Z^2\text{-CH}_2\text{-O-}$ ,  $-NZ^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-CH}_2\text{-}$ ,  $-NZ^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  $-NZ^3\text{-CH}_2\text{-C(=O)-NH-CH}_2\text{-}$ ,  $-NZ^3\text{-C(=O)-CHZ}^1\text{-CH}_2\text{-CZ}^1Z^2\text{-}$ ,  $-NH\text{-C(=O)-CH}_2\text{-CH}_2\text{-O-}$ ,  $-NZ^3\text{-C(=O)-CH}_2\text{-NZ}^3\text{-CZ}^1Z^2\text{-}$ ,  $-NZ^3\text{-C(=O)-O-CH}_2\text{-CH}_2\text{-}$ ,  $-O\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-CZ}^1Z^2\text{-}$ ,  $-O\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  $-O\text{-CH}_2\text{-CZ}^1Z^2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-O\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  $-CH_2\text{-NH-C(=O)-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-CZ^1Z^2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-NZ^3\text{-CZ}^1Z^2\text{-C(=O)-CH}_2\text{-O-}$ ,  $-NZ^3\text{-CZ}^1Z^2\text{-CH=CH-O-}$ ,  $-NZ^3\text{-CZ}^1Z^2\text{-CH}_2\text{-CH}_2\text{-CZ}^1Z^2\text{-}$ , or  $-NZ^3\text{-CZ}^1Z^2\text{-CH}_2\text{-NH-CH}_2\text{-}$ , wherein any two  $Z^1$ ,  $Z^2$ , and  $Z^3$  that are located on adjacent atoms may together



form a bond between the atoms, each  $Z^1$  and  $Z^2$  may independently be chosen from H, halogen,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-OR<sup>76</sup>,  $-NR^{40}R^{41}$ ,  $-OR^{76}$ , 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl-R<sup>45</sup>,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl,  $-N(R^{76})C(=O)C_{1-6}$ -haloalkyl,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl-N(R<sup>76</sup>)<sub>2</sub>,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl-OR<sup>76</sup>,  $-N(R^{76})C(=O)$ - $(5-7$  membered heterocycloalkyl),  $-N(R^{76})C(=O)$ - $(C_{3-6}$ -cycloalkyl), and  $-N(R^{76})C(=O)OC_{1-6}$ -alkyl, R<sup>40</sup> and R<sup>41</sup> are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{1-4}$ -haloalkyl,  $-C_{1-6}$ -alkyl-OR<sup>76</sup>,  $-C_{1-6}$ -alkyl-N(R<sup>76</sup>)<sub>2</sub>, and  $C_{3-6}$ -cycloalkyl, R<sup>45</sup> is chosen from  $-OR^{76}$ ,  $C_{1-6}$ -alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl- $C_{1-6}$ -alkyl, each R<sup>76</sup> is independently chosen from H and  $C_{1-6}$ -alkyl,  $Z^3$  may be chosen from H,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-R<sup>45a</sup>,  $-C_{1-6}$ -alkyl- $(O-C_{1-6}$ -alkyl)<sub>2</sub>,  $-C(=O)C_{1-6}$ -alkyl,  $-C(=O)C_{1-6}$ -alkyl-R<sup>45b</sup>,  $-C(=O)C_{1-6}$ -haloalkyl,  $-C(=O)$ - $(5-7$  membered heterocycloalkyl),  $-C(=O)$ - $(5-7$  membered heteroaryl),  $C_{1-6}$ -haloalkyl,  $-C(=O)OC_{1-6}$ -alkyl,  $-C(=O)OC_{1-6}$ -alkyl-R<sup>45c</sup>,  $-C(=O)O$ - $(5-7$ -membered heterocycloalkyl- $C_{1-6}$ -alkyl),  $-C(=O)N(R^{62})_2$ ,  $-C_{1-6}$ -haloalkyl-OR<sup>62</sup>,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, and  $-S(=O)_2-C_{1-6}$ -alkyl, R<sup>45a</sup> is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl,  $C_{3-6}$ -cycloalkyl, 5-6 membered heteroaryl, 5-6 membered heteroaryl- $C_{1-6}$ -alkyl, phenyl,  $-SO_2-C_{1-6}$ -alkyl,  $-C(=O)NR^{62}R^{63}$ ,  $-C(=O)OC_{1-6}$ -alkyl- $O-C_{1-4}$ -alkyl,  $-C(=O)OR^{62}$ ,  $-C(=O)$ - $(4-7$  membered heterocycloalkyl),  $-C(=O)$ - $(5-7$  membered heterocycloalkyl- $C_{1-6}$ -alkyl),  $-OC(=O)C_{1-6}$ -alkyl,  $-OC(=O)C_{1-6}$ -alkyl-N(R<sup>62</sup>)<sub>2</sub>,  $-OP(=O)(OH)_2$ ,  $-N(R^{62})C(=O)-C_{1-6}$ -alkyl,  $-N(R^{62})_2$ , phenyl, and  $-C\equiv N$ , R<sup>45b</sup> is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl- $(R^{79})_x$ , and  $-N(R^{62})_2$ , R<sup>45c</sup> is chosen from  $-OR^{62}$ , phenyl, and  $-N(R^{62})_2$ , each R<sup>62</sup> and R<sup>63</sup> is independently chosen from H and  $C_{1-6}$ -alkyl, each R<sup>79</sup> is =O, and x is 0, 1, or 2.

In another embodiment,  $-A^1-A^2-A^3-A^4-A^5-$  is a group of formula  $-CH_2-CZ^1Z^2-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-CZ^1Z^2-CH_2-$ ,  $-CZ^1Z^2-CH_2-CH_2-CH_2-NZ^3-$ ,  $-CZ^1Z^2-CH_2-CZ^1Z^2-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-CH_2-CH_2-C(=O)-CH_2-CH_2-$ ,  $-CH_2-CH_2-C(=O)-NZ^3-CZ^1Z^2-$ ,  $-CH_2-CH_2-NZ^3-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-CH_2-CH_2-$ ,  $-CH_2-CH_2-O-C(=O)-NZ^3-$ ,  $-CH_2-CH_2-NZ^3-C(=O)-CZ^1Z^2-$ ,  $-CH_2-C(=O)-NZ^3-CH_2-CH_2-$ ,  $-CH_2-NZ^3-CH_2-CH_2-NZ^3-$ ,  $-CH_2-O-CH_2-CH_2-NZ^3-$ ,  $-CH_2-NZ^3-CH_2-CH_2-O-$ ,  $-CH_2-NZ^3-CH_2-CH_2-S-$ ,  $-CH_2-NZ^3-CH_2-CH_2-SO_2-$ ,  $-CH_2-NZ^3-CH_2-C(=O)-NZ^3-$ ,  $-CZ^1Z^2-NZ^3-C(=O)-CH_2-CH_2-$ ,  $-CH_2-NZ^3-C(=O)-CH=CH-$ ,  $-CH_2-NZ^3-C(=O)-NZ^3-CH_2-$ ,  $-C(=O)-CH_2-CZ^1Z^2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-CH_2-$ ,  $-C(=O)-NZ^3-CH_2-CH_2-O-$ ,  $-C(=O)-NZ^3-CZ^1Z^2-CZ^1Z^2-NZ^3-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-CZ^1Z^2-$ ,  $-NZ^3-CH_2-CZ^1Z^2-CH_2-O-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-CH_2-$ ,  $-NZ^3-CH_2-CH_2-NZ^3-C(=O)-$ ,  $-NZ^3-CH_2-C(=O)-NZ^3-CH_2-$ ,  $-NZ^3-C(=O)-CZ^1Z^2-CH_2-CZ^1Z^2-$ ,  $-NZ^3-C(=O)-$



$\text{CH}_2\text{-CH}_2\text{-O-}$ ,  $-\text{NZ}^3\text{-C(=O)-CH}_2\text{-NZ}^3\text{-CZ}^1\text{Z}^2\text{-}$ ,  $-\text{NZ}^3\text{-C(=O)-O-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-}$ ,  $-\text{O-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  $-\text{O-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-\text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-\text{CZ}^1\text{Z}^2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{NZ}^3\text{-CZ}^1\text{Z}^2\text{-C(=O)-CH}_2\text{-O-}$ ,  $-\text{NZ}^3\text{-CZ}^1\text{Z}^2\text{-CH=CH-O-}$ ,  $-\text{NZ}^3\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-}$ , or  $-\text{NZ}^3\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-NZ}^3\text{-CH}_2\text{-}$ , wherein each  $\text{Z}^1$  and  $\text{Z}^2$  is independently chosen from H, halogen,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $-\text{OR}^{76}$ , 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl- $\text{R}^{45}$ ,  $-\text{N(R}^{76})\text{C(=O)C}_{1-6}\text{-alkyl}$ ,  $-\text{N(R}^{76})\text{C(=O)C}_{1-6}\text{-haloalkyl}$ ,  $-\text{N(R}^{76})\text{C(=O)C}_{1-6}\text{-alkyl-N(R}^{76})_2$ ,  $-\text{N(R}^{76})\text{C(=O)C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{N(R}^{76})\text{C(=O)-(5-7 membered heterocycloalkyl)}$ ,  $-\text{N(R}^{76})\text{C(=O)-(C}_{3-6}\text{-cycloalkyl)}$ , and  $-\text{N(R}^{76})\text{C(=O)OC}_{1-6}\text{-alkyl}$ ,  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-4}$ -haloalkyl, and  $-\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $\text{R}^{45}$  is chosen from  $-\text{OR}^{76}$ ,  $\text{C}_{1-6}$ -alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl- $\text{C}_{1-6}$ -alkyl, each  $\text{R}^{76}$  is independently chosen from H and  $\text{C}_{1-6}$ -alkyl,  $\text{Z}^3$  is chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{1-6}$ -haloalkyl- $\text{OR}^{62}$ ,  $-\text{C}_{1-6}\text{-alkyl-R}^{45a}$ ,  $-\text{C}_{1-6}\text{-alkyl-(O-C}_{1-6}\text{-alkyl)}_2$ ,  $-\text{C(=O)C}_{1-6}\text{-alkyl}$ ,  $-\text{C(=O)C}_{1-6}\text{-alkyl-R}^{45b}$ ,  $-\text{C(=O)C}_{1-6}\text{-haloalkyl}$ ,  $-\text{C(=O)-(5-7 membered heterocycloalkyl)}$ ,  $-\text{C(=O)-(5-7 membered heteroaryl)}$ ,  $-\text{C(=O)OC}_{1-6}\text{-alkyl}$ ,  $-\text{C(=O)OC}_{1-6}\text{-alkyl-R}^{45c}$ ,  $-\text{C(=O)O-(5-7-membered heterocycloalkyl-C}_{1-6}\text{-alkyl)}$ ,  $-\text{C(=O)N(R}^{62})_2$ ,  $\text{C}_{2-6}\text{-alkenyl}$ ,  $\text{C}_{2-6}\text{-alkynyl}$ , and  $-\text{SO}_2\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{45a}$  is chosen from  $-\text{OR}^{62}$ , 5-7 membered heterocycloalkyl,  $\text{C}_{3-6}\text{-cycloalkyl}$ , 5-6 membered heteroaryl, 5-6 membered heteroaryl- $\text{C}_{1-6}$ -alkyl, phenyl,  $-\text{SO}_2\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C(=O)NR}^{62}\text{R}^{63}$ ,  $-\text{C(=O)OC}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C(=O)OR}^{62}$ ,  $-\text{C(=O)-(4-7 membered heterocycloalkyl)}$ ,  $-\text{C(=O)-(5-7 membered heterocycloalkyl-C}_{1-6}\text{-alkyl)}$ ,  $-\text{OC(=O)C}_{1-6}\text{-alkyl}$ ,  $-\text{OC(=O)C}_{1-6}\text{-alkyl-N(R}^{62})_2$ ,  $-\text{OP(=O)(OH)}_2$ ,  $-\text{N(R}^{62})\text{C(=O)-C}_{1-6}\text{-alkyl}$ ,  $-\text{N(R}^{62})_2$ , and  $-\text{C}\equiv\text{N}$ ,  $\text{R}^{45b}$  is chosen from  $-\text{OR}^{62}$ , 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl- $(\text{R}^{79})_x$ , and  $-\text{N(R}^{62})_2$ ,  $\text{R}^{45c}$  is chosen from  $-\text{OR}^{62}$ , phenyl, and  $-\text{N(R}^{62})_2$ , each  $\text{R}^{62}$  and  $\text{R}^{63}$  is independently chosen from H and  $\text{C}_{1-6}$ -alkyl, each  $\text{R}^{79}$  is =O, and x is 0, 1, or 2. In another embodiment,  $-\text{A}^1\text{-A}^2\text{-A}^3\text{-A}^4\text{-A}^5\text{-}$  is a group of formula  $-\text{CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-}$ ,  $-\text{CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-\text{CZ}^1\text{Z}^2\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-C(=O)-NZ}^3\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-C(=O)-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-C(=O)-NZ}^3\text{-CZ}^1\text{Z}^2\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-O-C(=O)-NZ}^3\text{-}$ ,  $-\text{CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-CHZ}^1\text{-}$ ,  $-\text{CH}_2\text{-C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-\text{CH}_2\text{-O-CH}_2\text{-CH}_2\text{-NZ}^3\text{-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-S-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-SO}_2\text{-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-C(=O)-NZ}^3\text{-}$ ,  $-\text{CZ}^1\text{Z}^2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-CH=CH-}$ ,  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-NZ}^3\text{-CH}_2\text{-}$ ,  $-\text{C(=O)-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ ,  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-}$



O-, -C(=O)-NZ<sup>3</sup>-CHZ<sup>1</sup>-CHZ<sup>1</sup>-NZ<sup>3</sup>-, -NZ<sup>3</sup>-CH<sub>2</sub>-CHZ<sup>1</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, -NZ<sup>3</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-O-, -NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-, -NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, -NZ<sup>3</sup>-CH<sub>2</sub>-C(=O)-NZ<sup>3</sup>-CH<sub>2</sub>-, -NZ<sup>3</sup>-C(=O)-CHZ<sup>1</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, -NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-O-, -NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-, -NZ<sup>3</sup>-C(=O)-O-CH<sub>2</sub>-CH<sub>2</sub>-, -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, -O-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, -O-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-NZ<sup>3</sup>-, -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-, -CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, -CZ<sup>1</sup>Z<sup>2</sup>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-C(=O)-CH<sub>2</sub>-O-, -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-CH=CH-O-, -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, or -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-, wherein each Z<sup>1</sup> and Z<sup>2</sup> is independently chosen from H, halogen, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -NR<sup>40</sup>R<sup>41</sup>, -OR<sup>76</sup>, 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl-R<sup>45</sup>, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-haloalkyl, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl-N(R<sup>76</sup>)<sub>2</sub>-, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -N(R<sup>76</sup>)C(=O)-(5-7 membered heterocycloalkyl), -N(R<sup>76</sup>)C(=O)-(C<sub>3-6</sub>-cycloalkyl), and -N(R<sup>76</sup>)C(=O)OC<sub>1-6</sub>-alkyl, R<sup>40</sup> and R<sup>41</sup> are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-4</sub>-haloalkyl, and -C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, R<sup>45</sup> is chosen from -OR<sup>76</sup>, C<sub>1-6</sub>-alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, each R<sup>76</sup> is independently chosen from H and C<sub>1-6</sub>-alkyl, Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>1-6</sub>-haloalkyl-OR<sup>62</sup>, -C<sub>1-6</sub>-alkyl-R<sup>45a</sup>, -C<sub>1-6</sub>-alkyl-(O-C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C(=O)C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl-R<sup>45b</sup>, -C(=O)C<sub>1-6</sub>-haloalkyl, -C(=O)-(5-7 membered heterocycloalkyl), -C(=O)-(5-7 membered heteroaryl), -C(=O)OC<sub>1-6</sub>-alkyl, -C(=O)OC<sub>1-6</sub>-alkyl-R<sup>45c</sup>, -C(=O)O-(5-7-membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -C(=O)N(R<sup>62</sup>)<sub>2</sub>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, and -SO<sub>2</sub>C<sub>1-6</sub>-alkyl, R<sup>45a</sup> is chosen from -OR<sup>62</sup>, 5-7 membered heterocycloalkyl, C<sub>3-6</sub>-cycloalkyl, 5-6 membered heteroaryl, 5-6 membered heteroaryl-C<sub>1-6</sub>-alkyl, phenyl, -SO<sub>2</sub>C<sub>1-6</sub>-alkyl, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -C(=O)OC<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C(=O)OR<sup>62</sup>, -C(=O)-(4-7 membered heterocycloalkyl), -C(=O)-(5-7 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -OC(=O)C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl-N(R<sup>62</sup>)<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, -N(R<sup>62</sup>)C(=O)-C<sub>1-6</sub>-alkyl, -N(R<sup>62</sup>)<sub>2</sub>, and -C≡N, R<sup>45b</sup> is chosen from -OR<sup>62</sup>, 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl-(R<sup>79</sup>)<sub>x</sub>, and -N(R<sup>62</sup>)<sub>2</sub>, R<sup>45c</sup> is chosen from -OR<sup>62</sup>, phenyl, and -N(R<sup>62</sup>)<sub>2</sub>, each R<sup>62</sup> and R<sup>63</sup> is independently chosen from H and C<sub>1-6</sub>-alkyl, each R<sup>79</sup> is =O, and x is 0, 1, or 2. In another embodiment, -A<sup>1</sup>-A<sup>2</sup>-A<sup>3</sup>-A<sup>4</sup>-A<sup>5</sup>- is a group of formula -CH<sub>2</sub>-CHZ<sup>1</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-CHZ<sup>1</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CHZ<sup>1</sup>-CH<sub>2</sub>-, -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-C(=O)-NZ<sup>3</sup>-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-NH-CZ<sup>1</sup>Z<sup>2</sup>-, -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-O-C(=O)-NZ<sup>3</sup>-, -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CHZ<sup>1</sup>-, -CH<sub>2</sub>-C(=O)-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, -CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-O-



, -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-S-, -CH<sub>2</sub>-NH-CH<sub>2</sub>-CH<sub>2</sub>-SO<sub>2</sub>-, -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-C(=O)-NH-, -  
 CZ<sup>1</sup>Z<sup>2</sup>-NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CH=CH-, -CH<sub>2</sub>-NH-C(=O)-NH-CH<sub>2</sub>-,  
 -C(=O)-CH<sub>2</sub>-CHZ<sup>1</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, -C(=O)-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -C(=O)-NH-CH<sub>2</sub>-CH<sub>2</sub>-O-,  
 -C(=O)-NZ<sup>3</sup>-CHZ<sup>1</sup>-CHZ<sup>1</sup>-NZ<sup>3</sup>-, -NH-CH<sub>2</sub>-CHZ<sup>1</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, -NZ<sup>3</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-  
 5 O-, -NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-, -NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, -NZ<sup>3</sup>-CH<sub>2</sub>-C(=O)-NH-  
 CH<sub>2</sub>-, -NZ<sup>3</sup>-C(=O)-CHZ<sup>1</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, -NH-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-O-, -NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-  
 NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-, -NZ<sup>3</sup>-C(=O)-O-CH<sub>2</sub>-CH<sub>2</sub>-, -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, -O-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-  
 C(=O)-, -O-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-NZ<sup>3</sup>-, -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-, -CH<sub>2</sub>-NH-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-  
 NZ<sup>3</sup>-, -CZ<sup>1</sup>Z<sup>2</sup>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-C(=O)-CH<sub>2</sub>-O-, -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-CH=CH-  
 10 O-, -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, or -NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-NH-CH<sub>2</sub>-, wherein each Z<sup>1</sup> and  
 Z<sup>2</sup> is independently chosen from H, halogen, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -NR<sup>40</sup>R<sup>41</sup>, -  
 OR<sup>76</sup>, 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl-R<sup>45</sup>, -  
 N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-haloalkyl, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl-N(R<sup>76</sup>)<sub>2</sub>-, -  
 N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -N(R<sup>76</sup>)C(=O)-(5-7 membered heterocycloalkyl), -  
 15 N(R<sup>76</sup>)C(=O)-(C<sub>3-6</sub>-cycloalkyl), and -N(R<sup>76</sup>)C(=O)OC<sub>1-6</sub>-alkyl, R<sup>40</sup> and R<sup>41</sup> are  
 independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-4</sub>-haloalkyl, and -C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, R<sup>45</sup> is  
 chosen from -OR<sup>76</sup>, C<sub>1-6</sub>-alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered  
 heterocycloalkyl-C<sub>1-6</sub>-alkyl, each R<sup>76</sup> is independently chosen from H and C<sub>1-6</sub>-alkyl, Z<sup>3</sup> is  
 chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>1-6</sub>-haloalkyl-OR<sup>62</sup>, -C<sub>1-6</sub>-alkyl-R<sup>45a</sup>, -C<sub>1-6</sub>-  
 20 alkyl-(O-C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C(=O)C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl-R<sup>45b</sup>, -C(=O)C<sub>1-6</sub>-haloalkyl, -  
 C(=O)-(5-7 membered heterocycloalkyl), -C(=O)-(5-7 membered heteroaryl), -  
 C(=O)OC<sub>1-6</sub>-alkyl, -C(=O)OC<sub>1-6</sub>-alkyl-R<sup>45c</sup>, -C(=O)O-(5-7-membered heterocycloalkyl-  
 C<sub>1-6</sub>-alkyl), -C(=O)N(R<sup>62</sup>)<sub>2</sub>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, and -SO<sub>2</sub>C<sub>1-6</sub>-alkyl, R<sup>45a</sup> is chosen  
 from -OR<sup>62</sup>, 5-7 membered heterocycloalkyl, C<sub>3-6</sub>-cycloalkyl, 5-6 membered heteroaryl,  
 25 5-6 membered heteroaryl-C<sub>1-6</sub>-alkyl, phenyl, -SO<sub>2</sub>C<sub>1-6</sub>-alkyl, -C(=O)NR<sup>62</sup>R<sup>63</sup>-, -  
 C(=O)OC<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C(=O)OR<sup>62</sup>, -C(=O)-(4-7 membered heterocycloalkyl),  
 -C(=O)-(5-7 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -OC(=O)C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-  
 alkyl-N(R<sup>62</sup>)<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, -N(R<sup>62</sup>)C(=O)-C<sub>1-6</sub>-alkyl, -N(R<sup>62</sup>)<sub>2</sub>, and -C≡N, R<sup>45b</sup> is  
 chosen from -OR<sup>62</sup>, 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl-(R<sup>79</sup>)<sub>x</sub>,  
 30 and -N(R<sup>62</sup>)<sub>2</sub>, R<sup>45c</sup> is chosen from -OR<sup>62</sup>, phenyl, and -N(R<sup>62</sup>)<sub>2</sub>, each R<sup>62</sup> and R<sup>63</sup> is  
 independently chosen from H and C<sub>1-6</sub>-alkyl, each R<sup>79</sup> is =O, and x is 0, 1, or 2. In another  
 embodiment, -A<sup>1</sup>-A<sup>2</sup>-A<sup>3</sup>-A<sup>4</sup>-A<sup>5</sup>- is a group of formula -CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, -  
 CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-C(=O)-NZ<sup>3</sup>-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-  
 C(=O)-, -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-



$\text{CH}_2-$ ,  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-$   
 $\text{NZ}^3-$ ,  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{O}-$ ,  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{S}-$ ,  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{SO}_2-$ ,  $-$   
 $\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{NH}-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-$   
 $\text{NZ}^3-$ ,  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-$ ,  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$   
5  $\text{CH}_2-$ ,  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-$ ,  $-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-$ ,  
 $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CHZ}^1-$ ,  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CHZ}^1-\text{NZ}^3-$ , or  $-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-$   
 $\text{CHZ}^1-$ , wherein any two  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  that are located on adjacent atoms may together  
form a bond between the atoms, each  $\text{Z}^1$  and  $\text{Z}^2$  may independently be chosen from H,  
halogen,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{76}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $-\text{OR}^{76}$ , 5-7 membered heterocycloalkyl,  
10 5-7 membered heterocycloalkyl- $\text{R}^{45}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}$ -  
haloalkyl,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl- $\text{N}(\text{R}^{76})_2$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl- $\text{OR}^{76}$ ,  $-$   
 $\text{N}(\text{R}^{76})\text{C}(=\text{O})-(5-7 \text{ membered heterocycloalkyl})$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})-(\text{C}_{3-6}\text{-cycloalkyl})$ , and  $-$   
 $\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{OC}_{1-6}$ -alkyl,  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-4}$ -  
haloalkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{76}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{N}(\text{R}^{76})_2$ , and  $\text{C}_{3-6}$ -cycloalkyl,  $\text{R}^{45}$  is chosen from  $-$   
15  $\text{OR}^{76}$ ,  $\text{C}_{1-6}$ -alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl- $\text{C}_{1-6}$ -  
alkyl, each  $\text{R}^{76}$  is independently chosen from H and  $\text{C}_{1-6}$ -alkyl,  $\text{Z}^3$  may be chosen from  
H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{R}^{45a}$ ,  $-\text{C}_{1-6}$ -alkyl- $(\text{O}-\text{C}_{1-6}\text{-alkyl})_2$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}$ -alkyl,  $-\text{C}(=\text{O})\text{C}_{1-6}$ -  
alkyl- $\text{R}^{45b}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}$ -haloalkyl,  $-\text{C}(=\text{O})-(5-7 \text{ membered heterocycloalkyl})$ ,  $-\text{C}(=\text{O})-(5-7$   
membered heteroaryl),  $\text{C}_{1-6}$ -haloalkyl,  $-\text{C}(=\text{O})\text{OC}_{1-6}$ -alkyl,  $-\text{C}(=\text{O})\text{OC}_{1-6}$ -alkyl- $\text{R}^{45c}$ ,  $-$   
20  $\text{C}(=\text{O})\text{O}-(5-7\text{-membered heterocycloalkyl}-\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{C}(=\text{O})\text{N}(\text{R}^{62})_2$ ,  $-\text{C}_{1-6}$ -haloalkyl-  
 $\text{OR}^{62}$ ,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl, and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}$ -alkyl,  $\text{R}^{45a}$  is chosen from  $-\text{OR}^{62}$ , 5-7  
membered heterocycloalkyl,  $\text{C}_{3-6}$ -cycloalkyl, 5-6 membered heteroaryl, 5-6 membered  
heteroaryl- $\text{C}_{1-6}$ -alkyl, phenyl,  $-\text{SO}_2-\text{C}_{1-6}$ -alkyl,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}$ -alkyl- $\text{O}-\text{C}_{1-6}$ -  
4-alkyl,  $-\text{C}(=\text{O})\text{OR}^{62}$ ,  $-\text{C}(=\text{O})-(4-7 \text{ membered heterocycloalkyl})$ ,  $-\text{C}(=\text{O})-(5-7 \text{ membered}$   
25 heterocycloalkyl- $\text{C}_{1-6}$ -alkyl),  $-\text{OC}(=\text{O})\text{C}_{1-6}$ -alkyl,  $-\text{OC}(=\text{O})\text{C}_{1-6}$ -alkyl- $\text{N}(\text{R}^{62})_2$ ,  $-$   
 $\text{OP}(=\text{O})(\text{OH})_2$ ,  $-\text{N}(\text{R}^{62})\text{C}(=\text{O})-\text{C}_{1-6}$ -alkyl,  $-\text{N}(\text{R}^{62})_2$ , phenyl, and  $-\text{C}\equiv\text{N}$ ,  $\text{R}^{45b}$  is chosen  
from  $-\text{OR}^{62}$ , 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl- $(\text{R}^{79})_x$ , and  $-$   
 $\text{N}(\text{R}^{62})_2$ ,  $\text{R}^{45c}$  is chosen from  $-\text{OR}^{62}$ , phenyl, and  $-\text{N}(\text{R}^{62})_2$ , each  $\text{R}^{62}$  and  $\text{R}^{63}$  is  
independently chosen from H and  $\text{C}_{1-6}$ -alkyl, each  $\text{R}^{79}$  is  $=\text{O}$ , and  $x$  is 0, 1, or 2.

30 In another embodiment,  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is a group of formula  $-\text{CH}_2-\text{CH}_2-$   
 $\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{NZ}^3-$ ,  $-\text{CH}_2-$   
 $\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$ ,  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ ,  $-\text{CH}_2-$   
 $\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-$ ,  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-$ ,  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,  $-\text{CH}_2-\text{O}-$   
 $\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{O}-$ ,  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{S}-$ ,  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-$



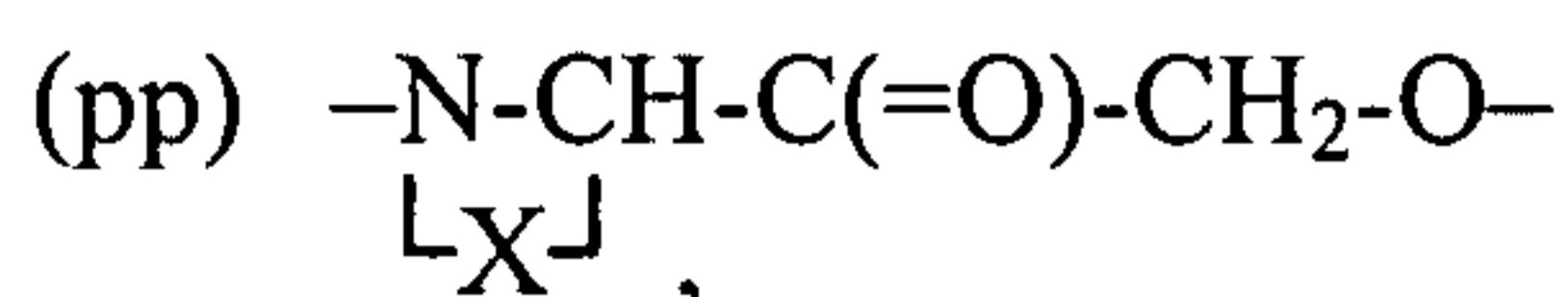
$\text{SO}_2-$ ,  $-\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{NH}-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-$   
 $\text{CZ}^1\text{Z}^2-\text{NZ}^3-$ ,  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-$ ,  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-\text{C}(=\text{O})-$   
 $\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-$ ,  $-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-$   
 $\text{CHZ}^1-\text{CH}_2-$ ,  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CHZ}^1-$ ,  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CHZ}^1-\text{NZ}^3-$ , or  $-\text{CH}_2-\text{CHZ}^1-$   
 $\text{CH}_2-\text{CH}_2-\text{CHZ}^1-$ , wherein each  $\text{Z}^1$  and  $\text{Z}^2$  is independently chosen from H, halogen,  $\text{C}_{1-6}$ -  
alkyl,  $-\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $-\text{OR}^{76}$ , 5-7 membered heterocycloalkyl, 5-7 membered  
heterocycloalkyl- $\text{R}^{45}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-N}(\text{R}^{76})_2$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})-(5-7$   
membered heterocycloalkyl),  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})-(\text{C}_{3-6}\text{-cycloalkyl})$ , and  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{OC}_{1-6}$ -  
alkyl,  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-4}$ -haloalkyl, and  $-\text{C}_{1-6}$ -  
alkyl- $\text{OR}^{76}$ ,  $\text{R}^{45}$  is chosen from  $-\text{OR}^{76}$ ,  $\text{C}_{1-6}$ -alkyl, 5-7 membered heterocycloalkyl, and 5-7  
membered heterocycloalkyl- $\text{C}_{1-6}$ -alkyl, each  $\text{R}^{76}$  is independently chosen from H and  $\text{C}_{1-6}$ -  
alkyl,  $\text{Z}^3$  is chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{1-6}$ -haloalkyl- $\text{OR}^{62}$ ,  $-\text{C}_{1-6}\text{-alkyl-}$   
 $\text{R}^{45a}$ ,  $-\text{C}_{1-6}\text{-alkyl}-(\text{O}-\text{C}_{1-6}\text{-alkyl})_2$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-R}^{45b}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}$ -  
haloalkyl,  $-\text{C}(=\text{O})-(5-7$  membered heterocycloalkyl),  $-\text{C}(=\text{O})-(5-7$  membered heteroaryl),  
 $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl-R}^{45c}$ ,  $-\text{C}(=\text{O})\text{O}-(5-7\text{-membered heterocycloalkyl-}$   
 $\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{C}(=\text{O})\text{N}(\text{R}^{62})_2$ ,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl, and  $-\text{SO}_2\text{C}_{1-6}\text{-alkyl}$ ,  $\text{R}^{45a}$  is chosen  
from  $-\text{OR}^{62}$ , 5-7 membered heterocycloalkyl,  $\text{C}_{3-6}$ -cycloalkyl, 5-6 membered heteroaryl,  
5-6 membered heteroaryl- $\text{C}_{1-6}$ -alkyl, phenyl,  $-\text{SO}_2\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OR}^{62}$ ,  $-\text{C}(=\text{O})-(4-7$  membered heterocycloalkyl),  
 $-\text{C}(=\text{O})-(5-7$  membered heterocycloalkyl- $\text{C}_{1-6}$ -alkyl),  $-\text{OC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{OC}(=\text{O})\text{C}_{1-6}$ -  
alkyl- $\text{N}(\text{R}^{62})_2$ ,  $-\text{OP}(=\text{O})(\text{OH})_2$ ,  $-\text{N}(\text{R}^{62})\text{C}(=\text{O})-\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{N}(\text{R}^{62})_2$ , and  $-\text{C}\equiv\text{N}$ ,  $\text{R}^{45b}$  is  
chosen from  $-\text{OR}^{62}$ , 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl- $(\text{R}^{79})_x$ ,  
and  $-\text{N}(\text{R}^{62})_2$ ,  $\text{R}^{45c}$  is chosen from  $-\text{OR}^{62}$ , phenyl, and  $-\text{N}(\text{R}^{62})_2$ , each  $\text{R}^{62}$  and  $\text{R}^{63}$  is  
independently chosen from H and  $\text{C}_{1-6}$ -alkyl, each  $\text{R}^{79}$  is  $=\text{O}$ , and  $x$  is 0, 1, or 2. In another  
embodiment,  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is a group of formula:

- (a)  $-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,
- (b)  $-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-$ ,
- (c)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-$ ,
- (d)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,
- (e)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{NZ}^3-$ ,
- (f)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,
- (h)  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-$ ,
- (i)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ ,

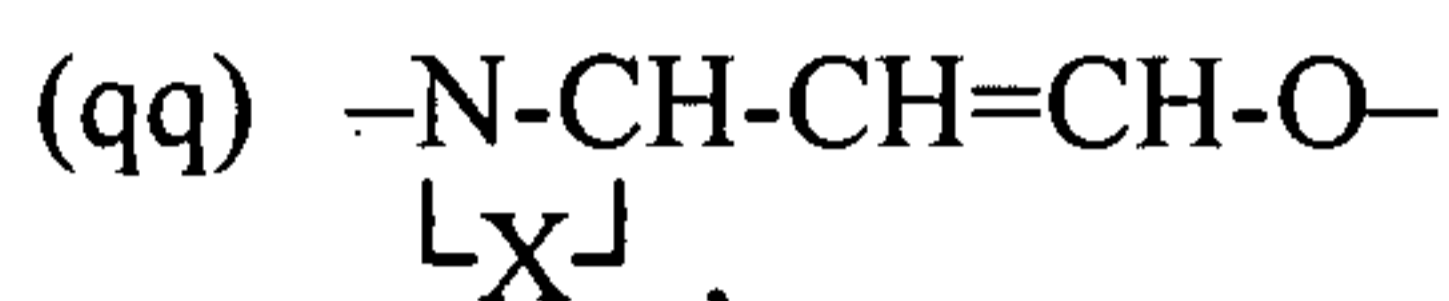


- (j)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-$ ,
- (k)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{C}(=\text{O})-\text{NZ}^3-$ ,
- (l)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-$ ,
- (m)  $-\text{CH}_2-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ ,
- 5 (n)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,
- (o)  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,
- (p)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (q)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{S}-$ ,
- (r)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{SO}_2-$ ,
- 10 (s)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{C}(=\text{O})-\text{NZ}^3-$ ,
- (t)  $-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$ ,
- (u)  $-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}=\text{CH}-$ ,
- (v)  $-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-$ ,
- (w)  $-\text{C}(=\text{O})-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-$ ,
- 15 (x)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,
- (y)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (z)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^3-$ ,
- (aa)  $-\text{NZ}^3-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^1\text{Z}^2-$ ,
- (bb)  $-\text{NZ}^3-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{O}-$ ,
- 20 (cc)  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-$ ,
- (dd)  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,
- (ee)  $-\text{NZ}^3-\text{CH}_2-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-$ ,
- (ff)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^1\text{Z}^2-$ ,
- (gg)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- 25 (hh)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{NZ}^3-\text{CZ}^1\text{Z}^2-$ ,
- (ii)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{O}-\text{CH}_2-\text{CH}_2-$ ,
- (jj)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-$ ,
- (kk)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ ,
- (ll)  $-\text{O}-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{NZ}^3-$ ,
- 30 (mm)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (nn)  $-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ ,
- (oo)  $-\text{CH}-\text{N}-\text{CH}_2-\text{CH}_2-\text{CH}_2-$   
 $\quad \quad \quad \text{LXJ}$  ,

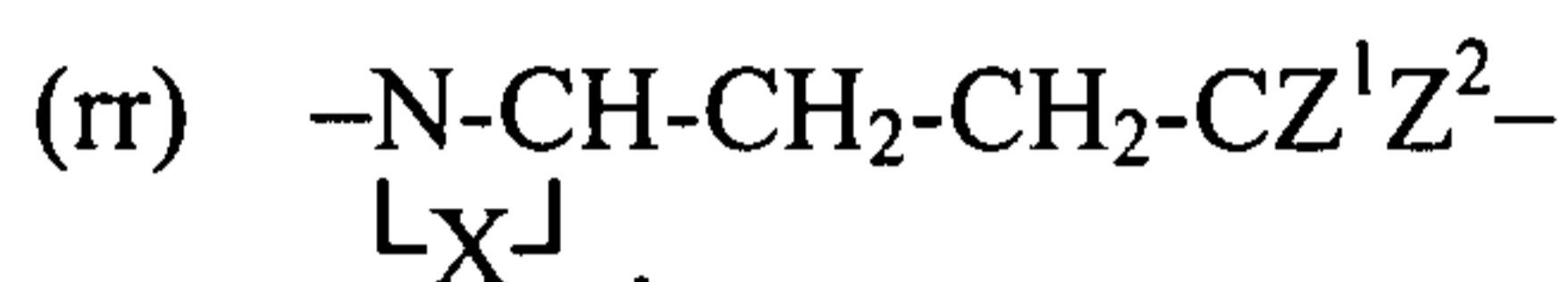
wherein X, combined with the atoms to which it is attached, is an imidazolyl group,



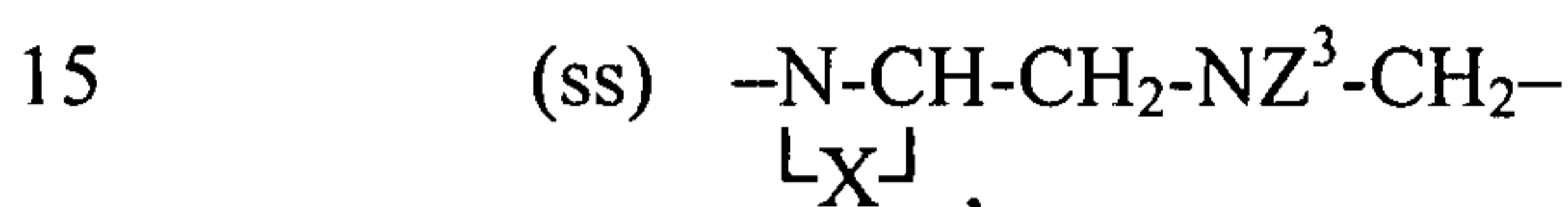
5 wherein X, combined with the atoms to which it is attached, is a pyrrolyl group,



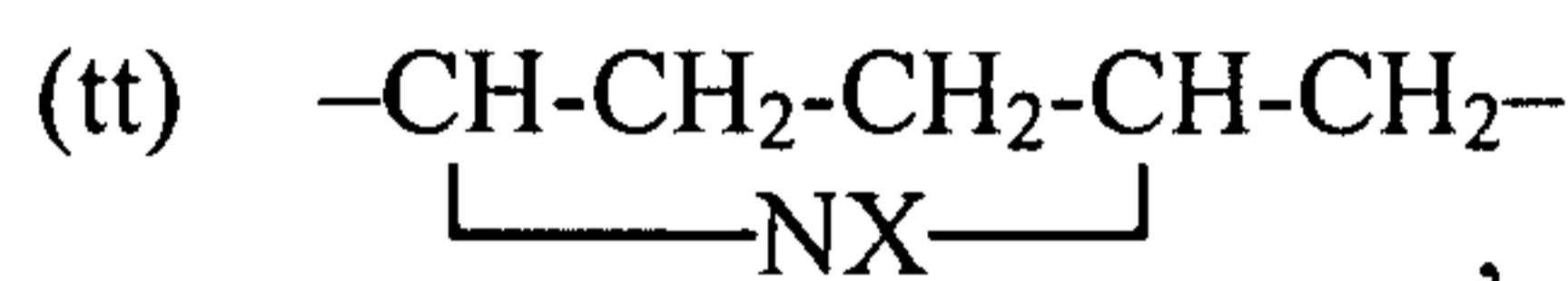
10 wherein X, combined with the atoms to which it is attached, is a pyrrolyl group,



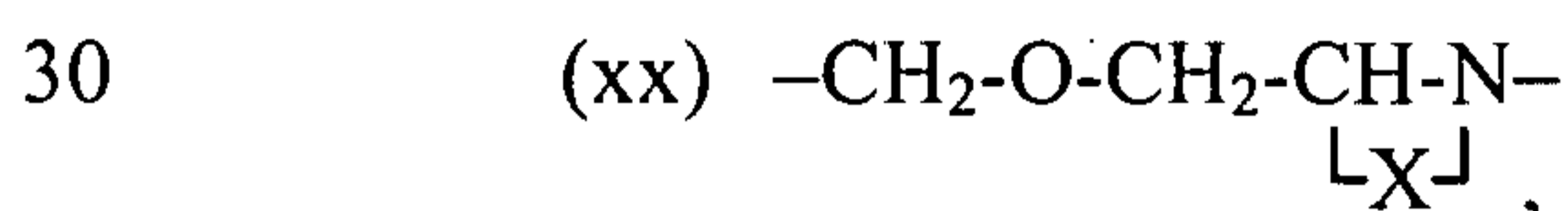
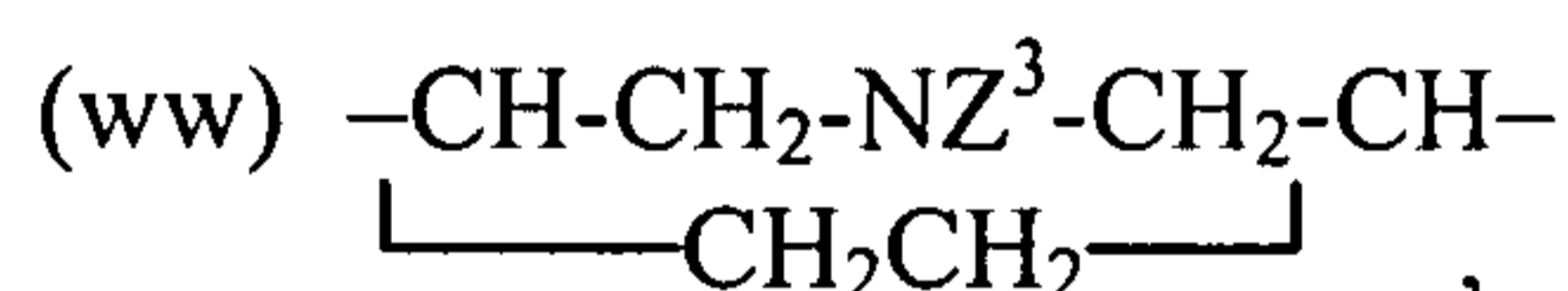
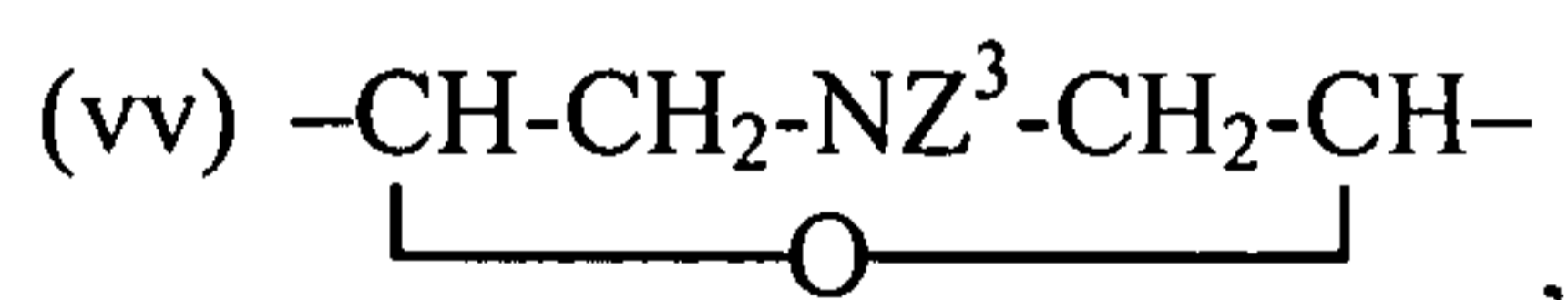
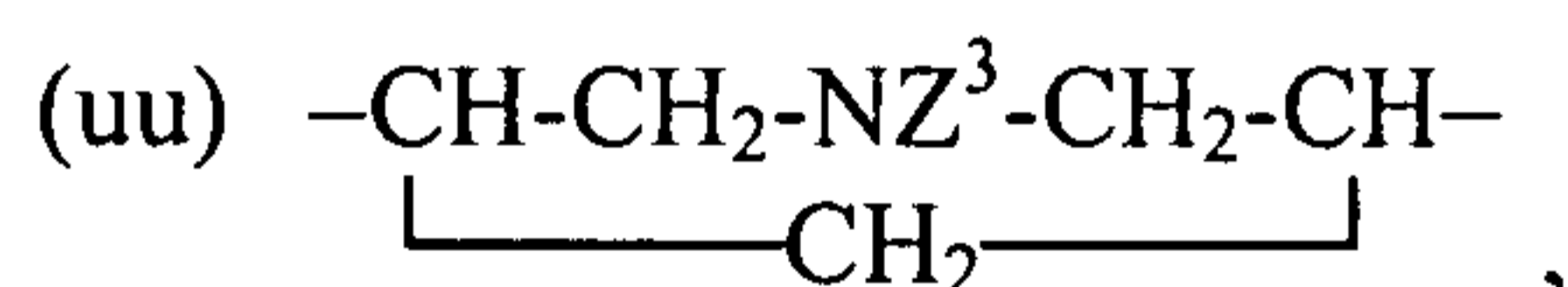
wherein X, combined with the atoms to which it is attached, is an imidazolyl group optionally substituted by C<sub>1-6</sub>-alkyl,



wherein X, combined with the atoms to which it is attached, is an imidazolyl group,



wherein X is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C<sub>3-6</sub>-cycloalkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, -C(=O)C<sub>3-6</sub>-cycloalkyl, -C(=O)OC<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,



wherein X is chosen from C<sub>1-6</sub>-alkyl, or



35 wherein X is -C(=O)OC<sub>1-6</sub>-alkyl,

wherein each Z<sup>1</sup> and Z<sup>2</sup> is independently chosen from H, halogen, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -NR<sup>40</sup>R<sup>41</sup>, -OR<sup>76</sup>, 5-7 membered heterocycloalkyl, 5-7 membered



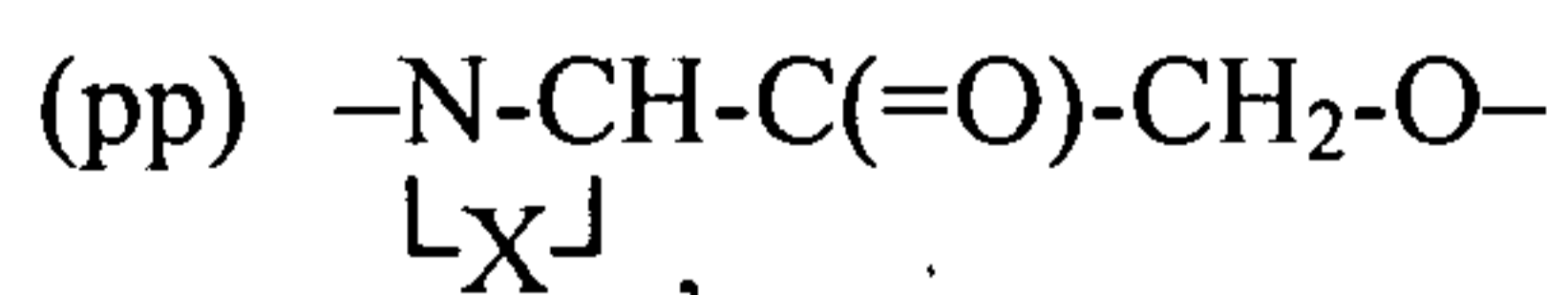
heterocycloalkyl-R<sup>45</sup>, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-haloalkyl, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl-N(R<sup>76</sup>)<sub>2</sub>, -N(R<sup>76</sup>)C(=O)C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -N(R<sup>76</sup>)C(=O)-(5-7 membered heterocycloalkyl), -N(R<sup>76</sup>)C(=O)-(C<sub>3-6</sub>-cycloalkyl), and -N(R<sup>76</sup>)C(=O)OC<sub>1-6</sub>-alkyl, R<sup>40</sup> and R<sup>41</sup> are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-4</sub>-haloalkyl, -C<sub>1-6</sub>-alkyl-OR<sup>76</sup>, -C<sub>1-6</sub>-alkyl-N(R<sup>76</sup>)<sub>2</sub>, and C<sub>3-6</sub>-cycloalkyl, R<sup>45</sup> is chosen from -OR<sup>76</sup>, C<sub>1-6</sub>-alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, each R<sup>76</sup> is independently chosen from H and C<sub>1-6</sub>-alkyl, Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-R<sup>45a</sup>, -C<sub>1-6</sub>-alkyl-(O-C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C(=O)C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl-R<sup>45b</sup>, -C(=O)C<sub>1-6</sub>-haloalkyl, -C(=O)-(5-7 membered heterocycloalkyl), -C(=O)-(5-7 membered heteroaryl), C<sub>1-6</sub>-haloalkyl, -C(=O)OC<sub>1-6</sub>-alkyl, -C(=O)OC<sub>1-6</sub>-alkyl-R<sup>45c</sup>, -C(=O)O-(5-7-membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -C(=O)N(R<sup>62</sup>)<sub>2</sub>, -C<sub>1-6</sub>-haloalkyl-OR<sup>62</sup>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl, wherein R<sup>45a</sup> is chosen from -OR<sup>62</sup>, 5-7 membered heterocycloalkyl, C<sub>3-6</sub>-cycloalkyl, 5-6 membered heteroaryl, 5-6 membered heteroaryl-C<sub>1-6</sub>-alkyl, phenyl, -SO<sub>2</sub>-C<sub>1-6</sub>-alkyl, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -C(=O)OC<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C(=O)OR<sup>62</sup>, -C(=O)-(4-7 membered heterocycloalkyl), -C(=O)-(5-7 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -OC(=O)C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl-N(R<sup>62</sup>)<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, -N(R<sup>62</sup>)C(=O)-C<sub>1-6</sub>-alkyl, -N(R<sup>62</sup>)<sub>2</sub>, phenyl, and -C≡N, R<sup>45b</sup> is chosen from -OR<sup>62</sup>, 5-7 membered heterocycloalkyl, 5-10 membered heteroaryl-(R<sup>79</sup>)<sub>x</sub>, and -N(R<sup>62</sup>)<sub>2</sub>, R<sup>45c</sup> is chosen from -OR<sup>62</sup>, phenyl, and -N(R<sup>62</sup>)<sub>2</sub>, each R<sup>62</sup> and R<sup>63</sup> is independently chosen from H and C<sub>1-6</sub>-alkyl, each R<sup>79</sup> is =O, and x is 0, 1, or 2.

In another embodiment, -A<sup>1</sup>-A<sup>2</sup>-A<sup>3</sup>-A<sup>4</sup>-A<sup>5</sup>- is a group of formula:

- (a) -CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-,
- (b) -CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-,
- (c) -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-,
- (d) -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-,
- (e) -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-C(=O)-NZ<sup>3</sup>-,
- (f) -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-,
- (h) -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-,
- (i) -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-,
- (j) -CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-,
- (k) -CH<sub>2</sub>-CH<sub>2</sub>-O-C(=O)-NZ<sup>3</sup>-,
- (l) -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CZ<sup>1</sup>Z<sup>2</sup>-,
- (m) -CH<sub>2</sub>-C(=O)-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-,
- (n) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-,

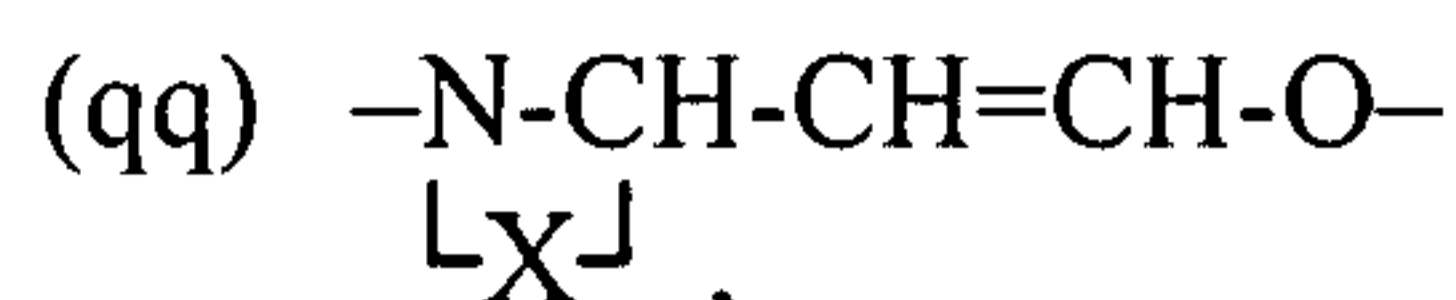
- (o)  $-\text{CH}_2\text{-O-CH}_2\text{-CH}_2\text{-NZ}^3-$ ,  
 (p)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  
 (q)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-S-}$ ,  
 (r)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-SO}_2-$ ,  
 5 (s)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-C(=O)-NZ}^3-$ ,  
 (t)  $-\text{CZ}^1\text{Z}^2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2-$ ,  
 (u)  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-CH=CH-}$ ,  
 (v)  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-NZ}^3\text{-CH}_2-$ ,  
 (w)  $-\text{C(=O)-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2-$ ,  
 10 (x)  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2-$ ,  
 (y)  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  
 (z)  $-\text{C(=O)-NZ}^3\text{-CZ}^1\text{Z}^2\text{-CZ}^1\text{Z}^2\text{-NZ}^3-$ ,  
 (aa)  $-\text{NZ}^3\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CZ}^1\text{Z}^2-$ ,  
 (bb)  $-\text{NZ}^3\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-O-}$ ,  
 15 (cc)  $-\text{NZ}^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-CH}_2-$ ,  
 (dd)  $-\text{NZ}^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  
 (ee)  $-\text{NZ}^3\text{-CH}_2\text{-C(=O)-NH-CH}_2-$ ,  
 (ff)  $-\text{NZ}^3\text{-C(=O)-CZ}^1\text{Z}^2\text{-CH}_2\text{-CZ}^1\text{Z}^2-$ ,  
 (gg)  $-\text{NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2\text{-O-}$ ,  
 20 (hh)  $-\text{NZ}^3\text{-C(=O)-CH}_2\text{-NZ}^3\text{-CZ}^1\text{Z}^2-$ ,  
 (ii)  $-\text{NZ}^3\text{-C(=O)-O-CH}_2\text{-CH}_2-$ ,  
 (jj)  $-\text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-CZ}^1\text{Z}^2-$ ,  
 (kk)  $-\text{O-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ ,  
 (ll)  $-\text{O-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-NZ}^3-$ ,  
 25 (mm)  $-\text{O-CH}_2\text{-CH}_2\text{-CH}_2\text{-O-}$ ,  
 (nn)  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2\text{-NZ}^3-$ ,  
 (oo)  $-\text{CH-N-CH}_2\text{-CH}_2\text{-CH}_2-$   
 $\quad \quad \quad \text{L}_X$ ,

wherein X, combined with the atoms to which it is attached, is an  
 imidazolyl group,

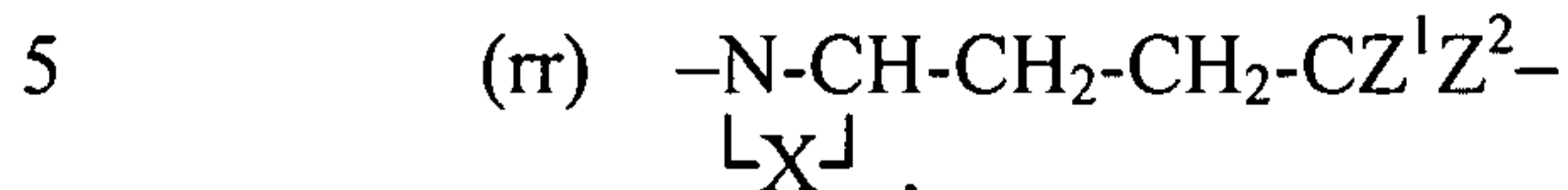


wherein X, combined with the atoms to which it is attached, is a  
 pyrrolyl group,

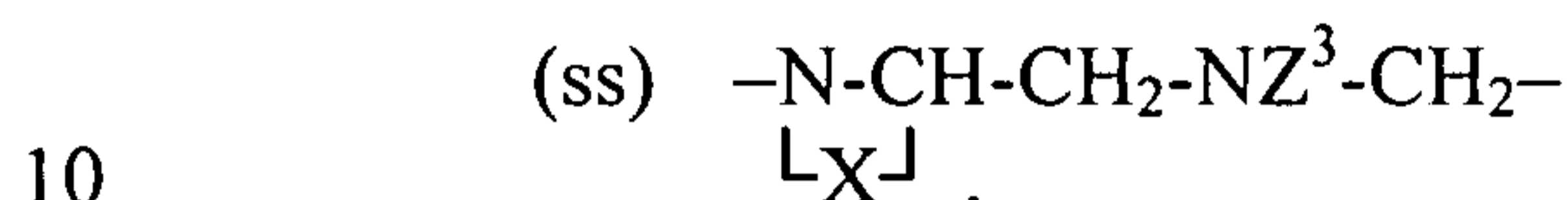




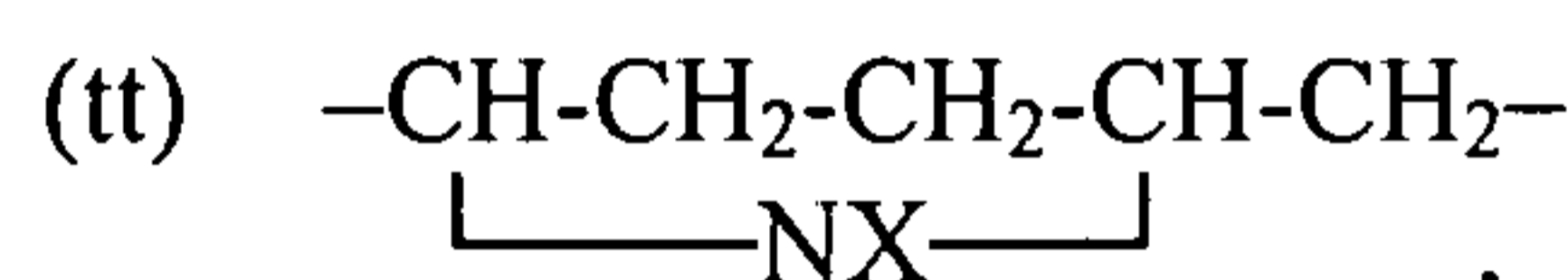
wherein X, combined with the atoms to which it is attached, is a pyrrolyl group,



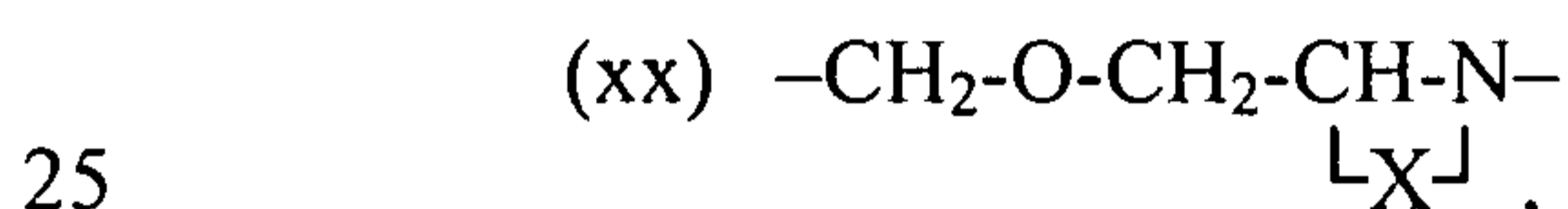
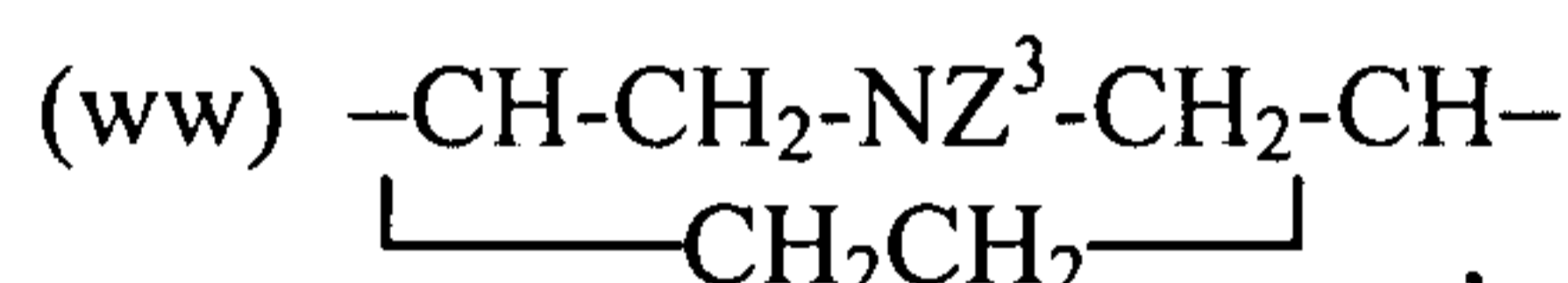
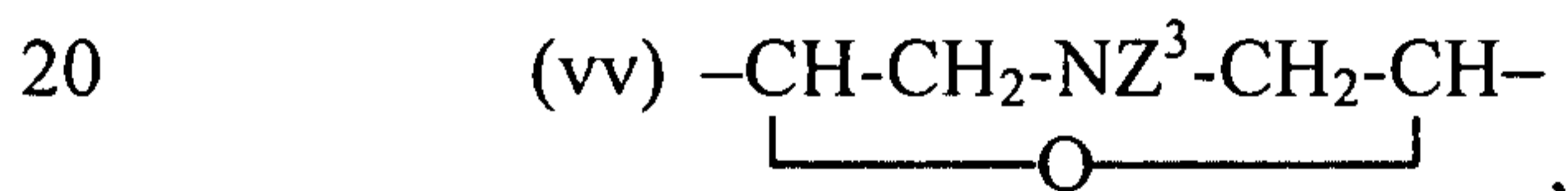
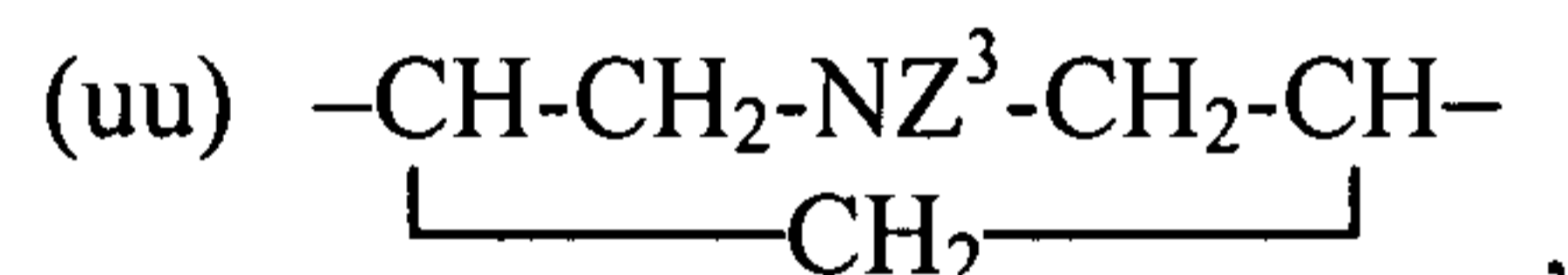
wherein X, combined with the atoms to which it is attached, is an imidazolyl group optionally substituted by C<sub>1-6</sub>-alkyl,



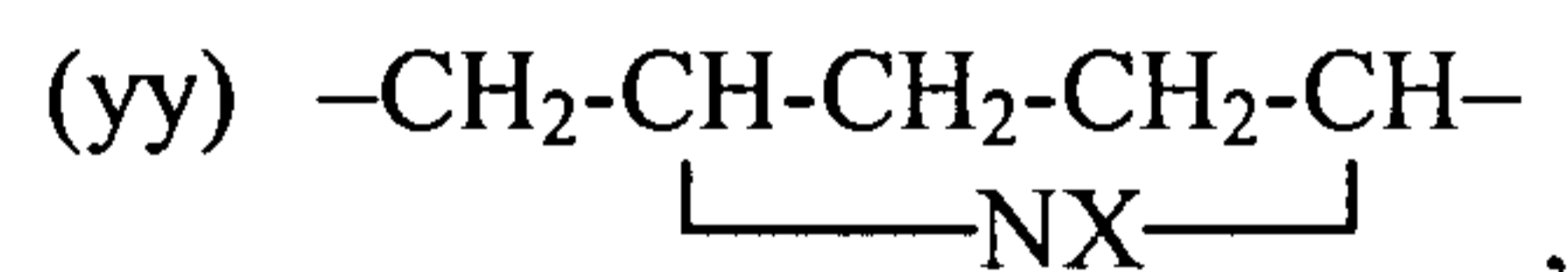
wherein X, combined with the atoms to which it is attached, is an imidazolyl group,



15 wherein X is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C<sub>3-6</sub>-cycloalkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, -C(=O)C<sub>3-6</sub>-cycloalkyl, -C(=O)OC<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,



wherein X is chosen from C<sub>1-6</sub>-alkyl, or



wherein X is -C(=O)OC<sub>1-6</sub>-alkyl,

30 wherein each Z<sup>1</sup> and Z<sup>2</sup> is independently chosen from H, halogen, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OH, -NR<sup>40</sup>R<sup>41</sup>, -OH, 6 membered heterocycloalkyl, 6 membered heterocycloalkyl-R<sup>45</sup>, -NHC(=O)C<sub>1-6</sub>-alkyl, -NHC(=O)C<sub>1-6</sub>-haloalkyl, -NHC(=O)C<sub>1-6</sub>-alkyl-N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, -NHC(=O)C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -NHC(=O)-(5 membered heterocycloalkyl), -NHC(=O)-(cyclopropyl), and -NHC(=O)OC<sub>1-6</sub>-alkyl, R<sup>40</sup> and R<sup>41</sup> are independently  
35 chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-4</sub>-haloalkyl, -C<sub>1-6</sub>-alkyl-OH, and -C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, R<sup>45</sup> is chosen from -OH, C<sub>1-6</sub>-alkyl, and 6 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-R<sup>45a</sup>, -C<sub>1-6</sub>-alkyl-(O-C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C(=O)C<sub>1-6</sub>-alkyl,

$-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{C}(=\text{O})\text{-(5-6-membered heterocycloalkyl)}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-(5-6-membered heterocycloalkyl)}$ ,  $-\text{C}(=\text{O})\text{-(5-membered heteroaryl)}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-(5-membered heteroaryl)}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-(9-membered heteroaryl-(R}^{79}\text{)}_2)$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-NH}_2$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-N(C}_{1-6}\text{-alkyl)}_2$ ,  $\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl-phenyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl-N(C}_{1-6}\text{-alkyl)}_2$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{O-(6-membered heterocycloalkyl-C}_{1-6}\text{-alkyl)}$ ,  $-\text{C}(=\text{O})\text{N(C}_{1-6}\text{alkyl)}_2$ ,  $-\text{C}_{1-6}\text{-haloalkyl-OH}$ ,  $-\text{C}_{1-6}\text{-haloalkyl-O-C}_{1-6}\text{-alkyl}$ ,  $\text{C}_{2-6}\text{-alkenyl}$ ,  $\text{C}_{2-6}\text{-alkynyl}$ , and  $-\text{S}(=\text{O})_2\text{-C}_{1-6}\text{-alkyl}$ , wherein  $\text{R}^{45a}$  is chosen from  $-\text{OH}$ ,  $-\text{O-C}_{1-6}\text{-alkyl}$ , 5-6 membered heterocycloalkyl,  $\text{C}_{3-6}\text{-cycloalkyl}$ , 5 membered heteroaryl, 5 membered heteroaryl- $\text{C}_{1-6}\text{-alkyl}$ , phenyl,  $-\text{SO}_2\text{-C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{OH}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{-(4-6 membered heterocycloalkyl)}$ ,  $-\text{C}(=\text{O})\text{-(6 membered heterocycloalkyl-C}_{1-6}\text{-alkyl)}$ ,  $-\text{OC}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{OC}(=\text{O})\text{C}_{1-6}\text{-alkyl-NH}_2$ ,  $-\text{OP}(=\text{O})(\text{OH})_2$ ,  $-\text{NHC}(=\text{O})\text{-C}_{1-6}\text{-alkyl}$ ,  $-\text{N(C}_{1-6}\text{-alkyl)}_2$ , phenyl, and  $-\text{C}\equiv\text{N}$ , wherein  $\text{R}^{62}$  and  $\text{R}^{63}$  are each independently chosen from H and  $\text{C}_{1-6}\text{alkyl}$ , and each  $\text{R}^{79}$  is =O.

In another embodiment,  $-\text{A}^1\text{-A}^2\text{-A}^3\text{-A}^4\text{-A}^5-$  is a group of formula:

- (a)  $-\text{CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2\text{-CH}_2-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are each independently chosen from H and 6-membered heterocycloalkyl,
- (b)  $-\text{CH}_2\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are each independently chosen from H, halogen,  $-\text{NR}^{40}\text{R}^{41}$ , 6 membered heterocycloalkyl, and 6 membered heterocycloalkyl- $\text{R}^{45}$ , wherein  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl-OH}$ ,  $-\text{C}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ , and  $\text{C}_{1-4}$  haloalkyl, and  $\text{R}^{45}$  is chosen from  $-\text{OH}$ ,  $\text{C}_{1-6}\text{-alkyl}$ , and 6 membered heterocycloalkyl- $\text{C}_{1-6}\text{-alkyl}$ ,
- (c)  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are each independently chosen from H, 6 membered heterocycloalkyl, and  $-\text{NR}^{40}\text{R}^{41}$ , wherein  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen from H, and  $-\text{C}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,
- (d)  $-\text{CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-NZ}^3-$ , wherein  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  are each independently chosen from H and  $\text{C}_{1-6}\text{-alkyl}$ ,
- (e)  $-\text{CZ}^1\text{Z}^2\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-C}(=\text{O})\text{-NZ}^3-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are each independently chosen from H,  $\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{NR}^{40}\text{R}^{41}$ , and 6 membered heterocycloalkyl, and  $\text{Z}^3$  is chosen from H,  $\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl-C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl-C}(=\text{O})\text{OH}$ ,  $-\text{C}_{1-6}\text{-alkyl-C}(=\text{O})\text{-(6-membered heterocycloalkyl-C}_{1-6}\text{-alkyl)}$ , and  $-\text{C}_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ , wherein  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen



from H, C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl-N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C(=O)C<sub>3-6</sub>-cycloalkyl, -C(=O)C<sub>1-4</sub>-haloalkyl, and -C(=O)C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl,

(f) -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,

(g) -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-,

5 (h) -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-, wherein Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are each independently chosen from H and C<sub>1-6</sub>-alkyl,

(i) -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-(O-C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C<sub>1-6</sub>-alkyl-R<sup>45</sup>, -C(=O)C<sub>1-6</sub>-haloalkyl, -C(=O)-(6-membered heterocycloalkyl), -C(=O)C<sub>1-6</sub>-alkyl-(6-membered

10 heterocycloalkyl), -C(=O)-C<sub>1-6</sub>-alkyl-NH<sub>2</sub>, -C(=O)-C<sub>1-6</sub>-alkyl-N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, C<sub>1-6</sub>-haloalkyl, -C(=O)N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C<sub>1-6</sub>-fluoroalkyl-OH, -C<sub>1-6</sub>-haloalkyl-O-C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl, wherein R<sup>45</sup> is chosen from -OH, -OC<sub>1-6</sub>-alkyl, 6 membered heterocycloalkyl, C<sub>3-6</sub>-cycloalkyl, 5 membered heteroaryl, 5 membered heteroaryl-C<sub>1-6</sub>-alkyl, -SO<sub>2</sub>-C<sub>1-6</sub>-alkyl, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -C(=O)OC<sub>1-6</sub>-alkyl, -C(=O)-(4-6 membered heterocycloalkyl), -C(=O)-(6 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -OC(=O)C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl-NH<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, and -NHC(=O)-C<sub>1-6</sub>-alkyl, wherein R<sup>62</sup> and R<sup>63</sup> are each independently chosen from H and C<sub>1-6</sub>-alkyl,

20 (j) -CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-,

(k) -CH<sub>2</sub>-CH<sub>2</sub>-O-C(=O)-NZ<sup>3</sup>-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,

(l) -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CZ<sup>1</sup>Z<sup>2</sup>-, wherein Z<sup>1</sup> and Z<sup>2</sup> are each independently chosen from H and C<sub>1-6</sub>-alkyl, and Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, and -C<sub>1-6</sub>-alkyl-(6-membered heterocycloalkyl),

25 (m) -CH<sub>2</sub>-C(=O)-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,

(n) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, wherein each Z<sup>3</sup> is independently chosen from H, C<sub>1-6</sub>-alkyl, -C(=O)-C<sub>1-6</sub>-alkyl, and -C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl,

(o) -CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,

(p) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-O-, wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, and -C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl,

30

(q) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-S-, wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OH, and -C<sub>1-6</sub>-alkyl-OC(=O)-C<sub>1-6</sub>-alkyl,

(r) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-SO<sub>2</sub>-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,

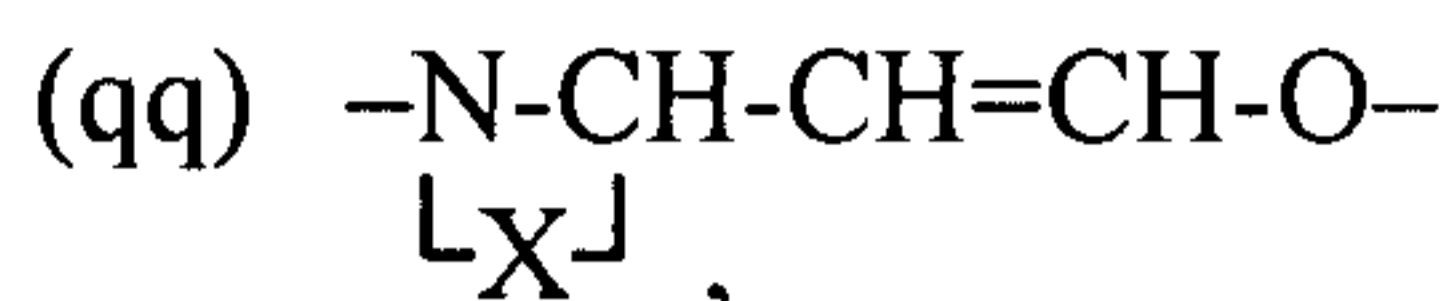
- (s)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-C(=O)-NZ}^3-$ , wherein each  $Z^3$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl, and  $\text{C}_{1-6}$ -alkyl-phenyl,
- (t)  $-\text{CZ}^1\text{Z}^2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2-$ , wherein  $Z^1$ ,  $Z^2$ , and  $Z^3$  are each independently chosen from H and  $\text{C}_{1-6}$ -alkyl,
- 5 (u)  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-CH=CH-}$ , wherein  $Z^3$  is chosen from H and  $\text{C}_{1-6}$ -alkyl,
- (v)  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-NZ}^3\text{-CH}_2-$ , wherein each  $Z^3$  is independently chosen from H and  $\text{C}_{1-6}$ -alkyl,
- (w)  $-\text{C(=O)-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CH}_2-$ , wherein  $Z^1$  and  $Z^2$  are independently chosen from H and  $-\text{NHC(=O)C}_{1-6}$ -alkyl,
- 10 (x)  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2-$ , wherein  $Z^3$  is chosen from H and  $\text{C}_{1-6}$ -alkyl,
- (y)  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-O-}$ , wherein  $Z^3$  is chosen from H and  $\text{C}_{1-6}$ -alkyl,
- (z)  $-\text{C(=O)-NZ}^3\text{-CZ}^1\text{Z}^2\text{-CZ}^1\text{Z}^2\text{-NZ}^3-$ , wherein each  $Z^1$  and  $Z^2$  is independently chosen from H and  $\text{C}_{1-6}$ -alkyl, and each  $Z^3$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl, and  $-\text{C(=O)-C}_{1-6}$ -haloalkyl,
- 15 (aa)  $-\text{NZ}^3\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-CZ}^1\text{Z}^2-$ , wherein each  $Z^1$  and  $Z^2$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl, and  $-\text{NH-C}_{1-6}$ -alkyl- $\text{O-C}_{1-4}$ -alkyl, and  $Z^3$  is chosen from H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C(=O)-C}_{1-6}$ -alkyl, and  $-\text{C}_{1-6}$ -alkyl- $\text{N(C}_{1-6}\text{-alkyl)}_2$ ,
- (bb)  $-\text{NZ}^3\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-O-}$ , wherein  $Z^1$  and  $Z^2$  are each independently chosen from H,  $-\text{OH}$ ,  $\text{C}_{1-6}$ -alkyl- $\text{OH}$ , and 6 membered heterocycloalkyl, and  $Z^3$  is chosen from H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C(=O)-C}_{1-6}$ -alkyl,  $-\text{C(=O)-C}_{1-6}$ -alkyl-(5-membered heteroaryl), and  $-\text{C(=O)O-C}_{1-6}$ -alkyl,
- 20 (cc)  $-\text{NZ}^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-CH}_2-$ , wherein each  $Z^3$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C(=O)-C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OC(=O)C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{C(=O)C}_{1-6}$ -alkyl,  $-\text{SO}_2\text{-C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OH}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{O-C}_{1-4}$ -alkyl,  $-\text{alkyl-C}_{3-6}$ -cycloalkyl,  $\text{C}_{2-6}$ -alkynyl,  $-\text{C(=O)-(5-membered heteroaryl)}$ ,  $-\text{C(=O)N(C}_{1-6}\text{-alkyl)}_2$ ,  $-\text{C}_{1-6}$ -haloalkyl- $\text{OH}$ , and  $-\text{C}_{1-6}$ -alkyl- $\text{C(=O)N(C}_{1-6}\text{-alkyl)}_2$ ,
- 25 (dd)  $-\text{NZ}^3\text{-CH}_2\text{-CH}_2\text{-NZ}^3\text{-C(=O)-}$ , wherein each  $Z^3$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{N(C}_{1-6}\text{-alkyl)}_2$ ,  $-\text{C}_{2-6}$ -alkenyl, and  $-\text{C}_{1-6}$ -alkyl- $\text{C(=O)O-C}_{1-6}$ -alkyl- $\text{O-C}_{1-4}$ -alkyl,
- 30 (ee)  $-\text{NZ}^3\text{-CH}_2\text{-C(=O)-NZ}^3\text{-CH}_2-$ , wherein each  $Z^3$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl, and  $-\text{C(=O)-C}_{1-6}$ -alkyl,
- (ff)  $-\text{NZ}^3\text{-C(=O)-CZ}^1\text{Z}^2\text{-CH}_2\text{-CZ}^1\text{Z}^2-$ , wherein each  $Z^1$  and  $Z^2$  is independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $-\text{NHC(=O)C}_{1-6}$ -haloalkyl,  $-\text{NH}_2$ ,  $-\text{NHC(=O)C}_{1-6}$ -



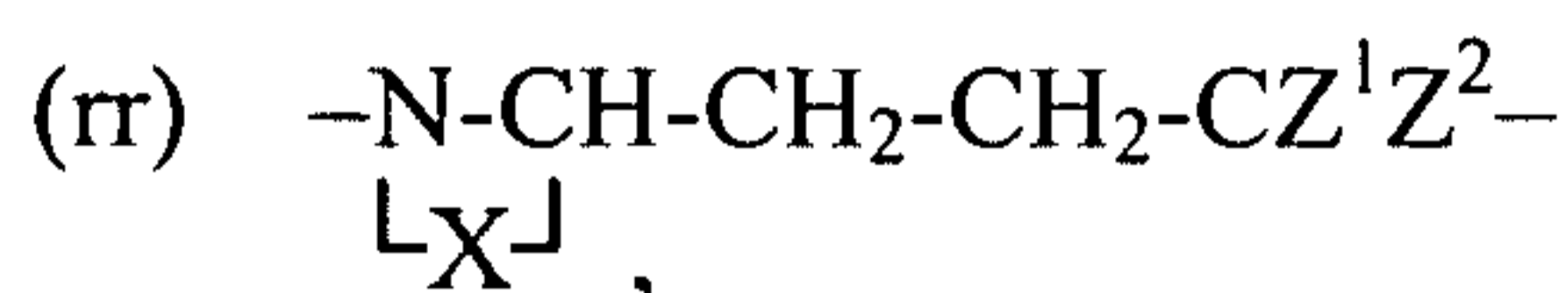
- alkyl-N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, 6 membered heterocycloalkyl, -NHC(=O)C<sub>1-6</sub>-alkyl, -NHC(=O)C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -NHC(=O)-(5 membered heterocycloalkyl), -NHC(=O)OC<sub>1-6</sub>-alkyl, and -NHC<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl-(5-membered heterocycloalkyl), -C<sub>1-6</sub>-alkyl-(5-membered heterocycloalkyl), -C(=O)-C<sub>1-6</sub>-alkyl-(9-membered heteroaryl-(R<sup>79</sup>)<sub>2</sub>), -C(=O)C<sub>1-6</sub>-alkyl-N(R<sup>76</sup>)<sub>2</sub>, and -C(=O)-(5-membered heterocycloalkyl), each R<sup>76</sup> is independently chosen from H and C<sub>1-6</sub>-alkyl, and each R<sup>79</sup> is =O,
- 5 (gg) -NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-O-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,
- 10 (hh) -NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-NZ<sup>3</sup>-CZ<sup>1</sup>Z<sup>2</sup>-, wherein Z<sup>1</sup> and Z<sup>2</sup> are each independently chosen from H and C<sub>1-6</sub>-alkyl, and each Z<sup>3</sup> is independently chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C(=O)N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C<sub>1-6</sub>-alkyl-C≡N, -C<sub>1-6</sub>-alkyl-C<sub>3-6</sub>-cycloalkyl, -C(=O)C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-haloalkyl, -C(=O)OC<sub>1-6</sub>-alkyl-phenyl, -alkyl-phenyl, -SO<sub>2</sub>C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>1-6</sub>-alkyl-OH, and -C(=O)OC<sub>1-6</sub>-alkyl,
- 15 (ii) -NZ<sup>3</sup>-C(=O)-O-CH<sub>2</sub>-CH<sub>2</sub>-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,
- (jj) -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-, wherein Z<sup>1</sup> and Z<sup>2</sup> are each independently chosen from H and C<sub>1-6</sub>-alkyl,
- (kk) -O-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,
- 20 (ll) -O-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-NZ<sup>3</sup>-, wherein Z<sup>1</sup> and Z<sup>2</sup> are each independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-alkyl-OH, and -OH, and Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C(=O)OC<sub>1-6</sub>-alkyl, -C(=O)OC<sub>1-6</sub>-alkyl-N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, -C(=O)C<sub>1-6</sub>-alkyl-(5-membered heterocycloalkyl), -C<sub>1-6</sub>-alkyl-(5-membered heterocycloalkyl), -C(=O)OC<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl, -C(=O)O-(6-membered heterocycloalkyl-C<sub>1-6</sub>-alkyl), -C(=O)C<sub>1-6</sub>-alkyl, and -C(=O)C<sub>1-6</sub>-alkyl-O-C<sub>1-4</sub>-alkyl,
- 25 (mm) -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-,
- (nn) -CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, wherein each Z<sup>3</sup> is independently chosen from H, -C(=O)C<sub>1-6</sub>-alkyl, and -C(=O)C<sub>1-6</sub>-haloalkyl,
- 30 (oo) -CH-N-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-  
 $\begin{matrix} \text{L} \\ \text{X} \\ \text{J} \end{matrix}$  ,  
 wherein X, combined with the atoms to which it is attached, is an imidazolyl group,
- (pp) -N-CH-C(=O)-CH<sub>2</sub>-O-



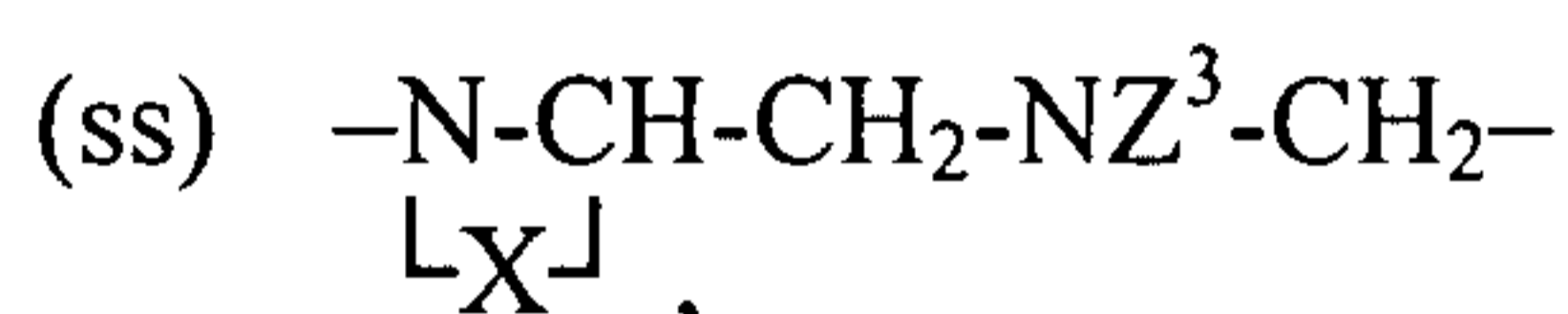
wherein X, combined with the atoms to which it is attached, is a pyrrolyl group,



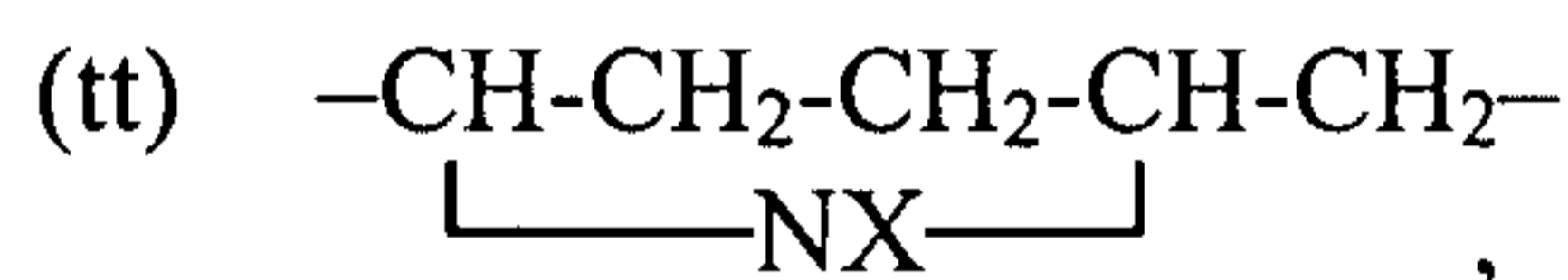
wherein X, combined with the atoms to which it is attached, is a pyrrolyl group,



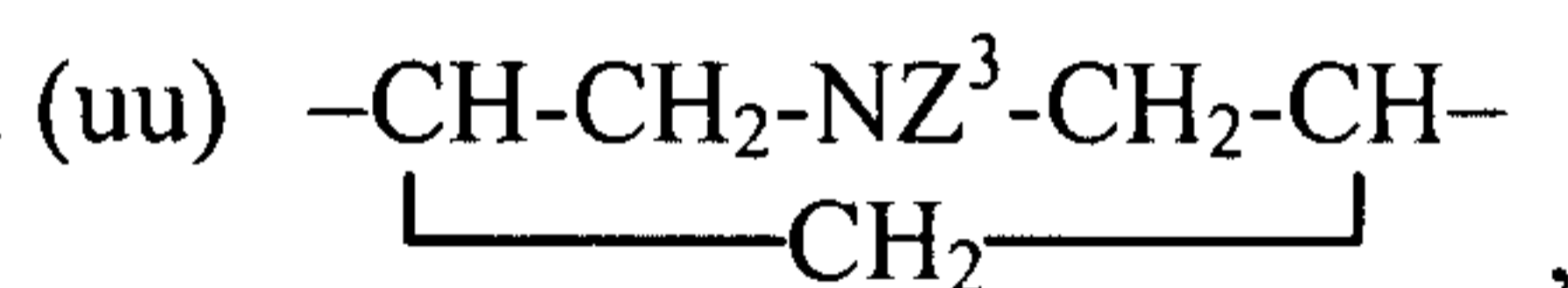
10 wherein X, combined with the atoms to which it is attached, is an imidazolyl group optionally substituted by C<sub>1-6</sub>-alkyl, and Z<sup>1</sup> and Z<sup>2</sup> are each independently chosen from H and C<sub>1-6</sub>-alkyl,



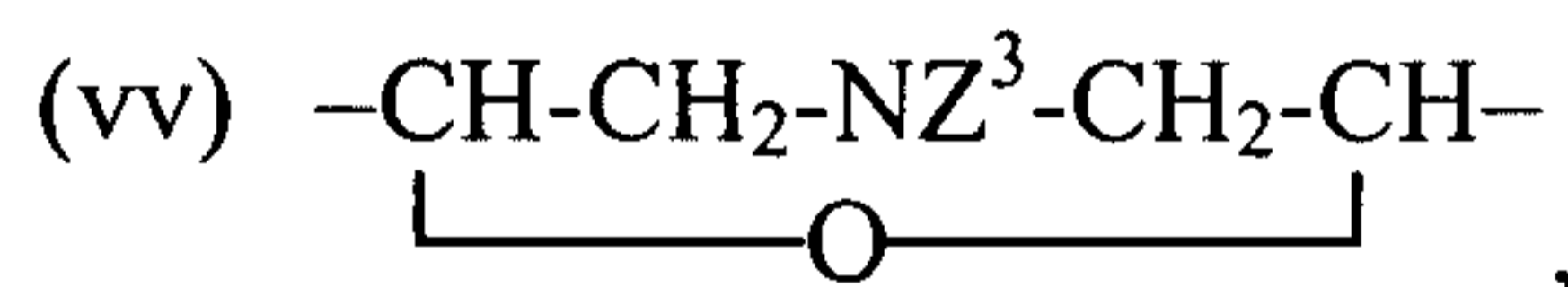
15 wherein X, combined with the atoms to which it is attached, is an imidazolyl group, and Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,



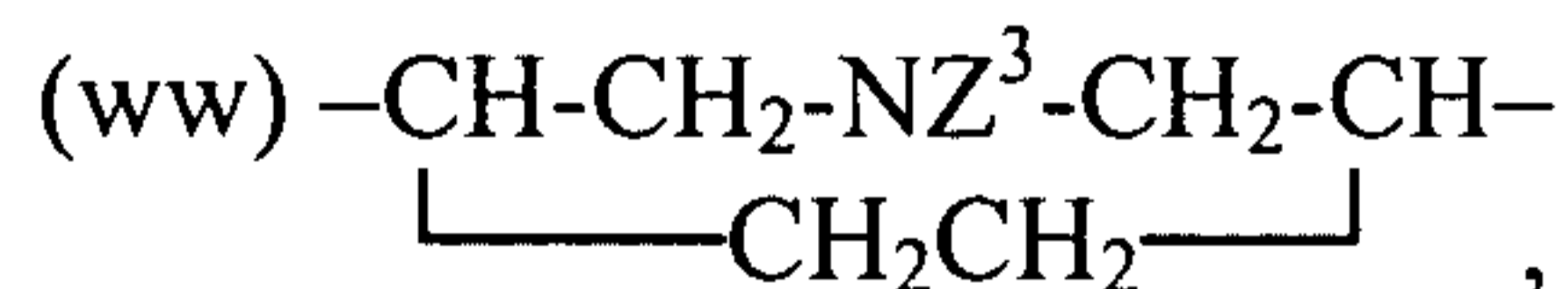
20 wherein X is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C<sub>3-6</sub>-cycloalkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, -C(=O)C<sub>3-6</sub>-cycloalkyl, -C(=O)OC<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,



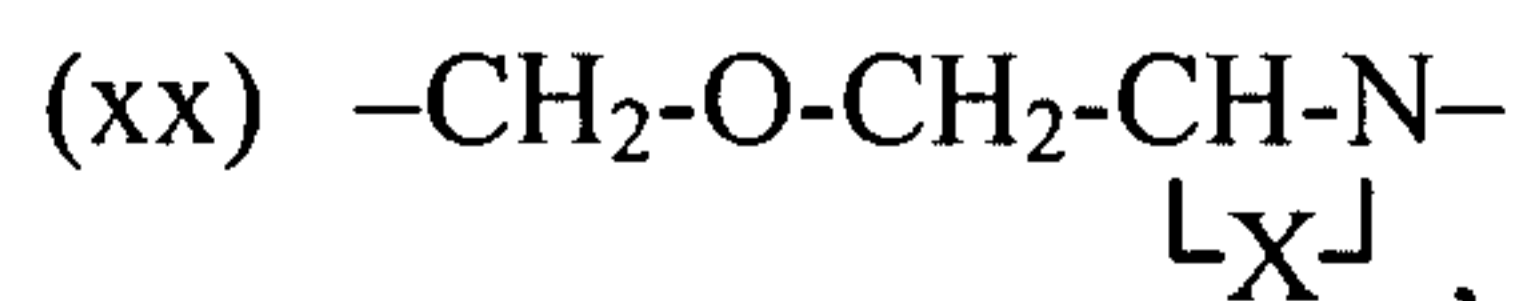
25 wherein Z<sup>3</sup> is chosen from C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,



wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,



wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-CN, -C(=O)C<sub>1-6</sub>-haloalkyl, C<sub>1-6</sub>-haloalkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,







- (p)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^{3a}-$ , wherein  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  are independently chosen from H and C<sub>1-6</sub>-alkyl, and  $\text{Z}^{3a}$  is chosen from H, C<sub>1-6</sub>-alkyl, and  $-\text{C}(=\text{O})\text{C}_{1-6}$ -haloalkyl,
- (q)  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-$ , wherein  $\text{Z}^3$  is C<sub>1-6</sub>-alkyl, and  $\text{Z}^{3a}$  is chosen from H, C<sub>1-6</sub>-alkyl,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{alkyl})(\text{C}_{1-6}\text{-alkyl})$ ,  $-\text{C}_{1-6}\text{-alkyl}-\text{C}_{3-6}\text{-cycloalkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl}-\text{OH}$ ,  $-\text{C}_{1-6}\text{-alkyl}-\text{O}-\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl}-\text{OC}(=\text{O})-\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})$ -5-membered heteroaryl,  $-\text{C}_{1-6}\text{-alkyl}-\text{C}(=\text{O})\text{O}-\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}$ -fluoroalkyl-OH, C<sub>2-6</sub>-alkynyl, and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}\text{-alkyl}$ ,
- (r)  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^{3a}-\text{C}(=\text{O})-$ , wherein  $\text{Z}^3$  is chosen from H, C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}\text{-alkyl}-\text{N}(\text{C}_{1-6}\text{alkyl})(\text{C}_{1-6}\text{-alkyl})$ , and C<sub>2-6</sub>-alkenyl, and  $\text{Z}^{3a}$  is chosen from H and C<sub>1-6</sub>-alkyl,
- (s)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ , wherein  $\text{Z}^3$  is chosen from H, C<sub>1-6</sub>-alkyl, and  $-\text{C}_{1-6}\text{-alkyl}-\text{O}-\text{C}_{1-6}\text{-alkyl}$ ,
- (t)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ , wherein  $\text{Z}^3$  is chosen from H and C<sub>1-6</sub>-alkyl,
- (u)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (v)  $-\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}-\text{CH}_2-$   
 $\quad \quad \quad \text{└──NX──┘}$ ,  
 wherein X is chosen from H, C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}\text{-alkyl}-\text{C}_{3-6}\text{-cycloalkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl}-\text{O}-\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{C}_{3-6}\text{-cycloalkyl}$ ,  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ , C<sub>2-6</sub>-alkynyl, and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}\text{-alkyl}$ ,
- (w)  $-\text{CH}-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}-$   
 $\quad \quad \quad \text{└──CH}_2\text{──┘}$ ,  
 wherein  $\text{Z}^3$  is chosen from C<sub>1-6</sub>-alkyl,  $-\text{C}_{1-6}\text{-alkyl}-\text{O}-\text{C}_{1-6}\text{-alkyl}$ , and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}\text{-alkyl}$ ,
- (x)  $-\text{CH}-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}-$   
 $\quad \quad \quad \text{└──O──┘}$ ,  
 wherein  $\text{Z}^3$  is chosen from H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}\text{-alkyl}$ ,
- (y)  $-\text{CH}-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}-$   
 $\quad \quad \quad \text{└──CH}_2\text{CH}_2\text{──┘}$ ,  
 wherein  $\text{Z}^3$  is chosen from H, C<sub>1-6</sub>-alkyl,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}_{1-6}\text{-alkyl}-\text{CN}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ , C<sub>1-6</sub>-haloalkyl,  $-\text{C}_{1-6}\text{-alkyl}-\text{O}-\text{C}_{1-6}\text{-alkyl}$ , C<sub>2-6</sub>-alkynyl, and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}\text{-alkyl}$ ,
- (z)  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}-\text{N}-$   
 $\quad \quad \quad \text{└──X──┘}$ ,  
 wherein X is chosen from  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$  and  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ , or
- (aa)  $-\text{CH}_2-\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}-$



$\text{—NX—}$  ,  
 wherein X is  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ .

In another embodiment,  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is a group of formula:

- 5
- (a)  $-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^1$  is chosen from H and 4-morpholinyl,
- (b)  $-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^1$  is chosen from H and F, and  $Z^2$  is chosen from H, F,  $-\text{OH}$ ,  $-\text{NHCH}_2\text{CF}_3$ ,  $-\text{NHCH}_2\text{CHF}_2$ ,  $-\text{NH}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{NH}(\text{CH}_2)_2\text{OH}$ ,  $-\text{N}(\text{CH}_3)(\text{CH}_2)_2\text{OCH}_3$ , 4-(4-methylpiperazin-1-yl)piperidin-1-yl, 4-methylpiperazin-1-yl, and 3-hydroxypiperidin-1-yl,
- 10 (c)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-$ , wherein  $Z^1$  is chosen from H, 4-morpholinyl, and  $-\text{NHCH}_2\text{CH}_2\text{OCH}_3$ ,
- (d)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^1$ ,  $Z^2$ , and  $Z^3$  are each independently chosen from H and methyl,
- (e)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^{1a}\text{Z}^{2a}-\text{C}(=\text{O})-\text{NZ}^3-$ , wherein  $Z^1$  and  $Z^2$  are independently  
 15 chosen from H and  $-\text{CH}_3$ ,  $Z^{1a}$  and  $Z^{2a}$  are both H or  $-\text{CH}_3$ , or  $Z^{1a}$  is H and  $Z^{2a}$  is chosen from H, methyl,  $-\text{NHC}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{NHC}(=\text{O})\text{cyclopropyl}$ ,  $-\text{NHC}(=\text{O})\text{CF}_3$ ,  $-\text{NH}_2$ , 4-morpholinyl,  $-\text{N}(\text{CH}_3)_2$ , and  $-\text{NHC}(=\text{O})\text{CH}_2\text{OCH}_3$ , and  $Z^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CO}_2\text{Me}$ ,  $-\text{CH}_2\text{CO}_2\text{H}$ ,  $-\text{CH}_2\text{C}(=\text{O})(4\text{-methylpiperazinyl})$ ,  $-(\text{CH}_2)_2\text{OCH}_3$ , and  $-\text{CH}(\text{CH}_3)_2$ ,
- 20 (f)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_3$ ,
- (g)  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$ ,
- (h)  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CZ}^1\text{Z}^2-$ , wherein  $Z^1$  and  $Z^2$  are independently chosen from H and  $-\text{CH}_3$ ,
- (i)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  
 25  $-\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{SO}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{CF}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{OCH}_3)\text{CF}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})(1,4\text{-dioxan-2-yl})$ ,  $-\text{CH}_2(1,4\text{-dioxan-2-yl})$ ,  $-\text{CH}_2\text{CHF}_2$ ,  $-\text{CH}_2\text{CH}_2\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{-cyclopropyl}$ ,  $-\text{CH}_2\text{CF}_2\text{CH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{NHCH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{CH}_2\text{OCH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{C}(=\text{O})-(4\text{-morpholinyl})$ ,  $-\text{CH}_2\text{C}(=\text{O})-(4\text{-methylpiperazin-1-yl})$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}(=\text{O})-(1\text{-pyrrolidinyl})$ ,  $-\text{CH}_2-(2\text{-oxazolyl})$ ,  $-\text{CH}_2-(1\text{-methylimidazol-2-yl})$ ,  $-\text{C}(=\text{O})\text{CH}_2-(4\text{-morpholinyl})$ ,  $-\text{CH}_2\text{C}(=\text{O})-(1\text{-azetidiny})$ ,  $-\text{CH}(\text{CH}_2\text{CH}_2\text{F})_2$ ,  $-(\text{CH}_2)_2-(4\text{-$

- morpholinyl),  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}(\text{NH}_2)\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OP}(=\text{O})(\text{OH})_2$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{C}(\text{NH}_2)(\text{CH}_3)_2$ , and  $-\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)_2$ ,
- 5 (j)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-$ ,
- (k)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{C}(=\text{O})-\text{NZ}^3-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_3$ ,
- (l)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CHZ}^1-$ , wherein  $Z^1$  is chosen from H and  $-\text{CH}_2\text{CH}_3$ , and  $Z^3$  is chosen from H,  $-\text{CH}_2\text{CH}_3$ ,  $-(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_3-(4-$
- 10 morpholinyl), and  $-(\text{CH}_2)_2-(4-\text{morpholinyl})$ ,
- (m)  $-\text{CH}_2-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_3$ ,
- (n)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^{3a}-$ , wherein  $Z^3$  is chosen from H,  $-\text{C}(=\text{O})\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_2-\text{O}-\text{CH}_3$ , and  $Z^{3a}$  is chosen from H and  $-\text{CH}_3$ ,
- 15 (o)  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_3$ ,
- (p)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{O}-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_2\text{CH}_2-\text{O}-\text{CH}_3$ ,
- (q)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{S}-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2-\text{O}-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{CH}_2-\text{OC}(=\text{O})\text{CH}_3$ ,
- 20 (r)  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{SO}_2-$ ,
- (s)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{C}(=\text{O})-\text{NH}-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_2$ -phenyl,
- (t)  $-\text{CZ}^1\text{Z}^2-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^1$ ,  $Z^2$ , and  $Z^3$  are each independently chosen from H and  $-\text{CH}_3$ ,
- 25 (u)  $-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CH}=\text{CH}-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_3$ ,
- (v)  $-\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{NH}-\text{CH}_2-$ ,
- (w)  $-\text{C}(=\text{O})-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^1$  is chosen from H and  $-\text{NHC}(=\text{O})\text{CH}_3$ ,
- (x)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_3$ ,
- 30 (y)  $-\text{C}(=\text{O})-\text{NH}-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (z)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CHZ}^1-\text{CHZ}^2-\text{NZ}^{3a}-$ , wherein  $Z^1$  and  $Z^2$  are independently chosen from H and  $-\text{CH}_3$ ,  $Z^3$  is chosen from H and  $-\text{CH}_3$ , and  $Z^{3a}$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{C}(=\text{O})\text{CF}_3$ ,



- (aa)  $-\text{NZ}^3-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-\text{CZ}^2\text{Z}^2-$ , wherein  $\text{Z}^1$  is chosen from H and  $-\text{NH}-(\text{CH}_2)_2-\text{O}-\text{CH}_3$ , each  $\text{Z}^2$  is independently chosen from H and  $-\text{CH}_3$ , and  $\text{Z}^3$  is chosen from H,  $-\text{C}(=\text{O})-\text{CH}_3$ , and  $-(\text{CH}_2)_2\text{N}(\text{CH}_3)_2$ ,
- (bb)  $-\text{NZ}^3-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{O}-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are both H, or  $\text{Z}^1$  is  $-\text{OH}$  and  $\text{Z}^2$  is  $-\text{CH}_2\text{OH}$ , or  $\text{Z}^1$  is H and  $\text{Z}^2$  is 4-morpholinyl, and  $\text{Z}^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2-(\text{pyrrolidin-1-yl})$ , and  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ ,
- (cc)  $-\text{NZ}^{3a}-\text{CH}_2-\text{CH}_2-\text{NZ}^{3b}-\text{CH}_2-$ , wherein  $\text{Z}^{3a}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ , and  $-\text{C}(=\text{O})\text{CH}_3$ , and  $\text{Z}^{3b}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2$ -cyclopropyl,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-\text{C}(=\text{O})-(1\text{-imidazolyl})$ ,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CF}_3$ , and  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,
- (dd)  $-\text{NZ}^{3a}-\text{CH}_2-\text{CH}_2-\text{NZ}^{3b}-\text{C}(=\text{O})-$ , wherein  $\text{Z}^{3a}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2)_2$ , and  $-\text{CH}_2\text{CH}=\text{CH}_2$ , and  $\text{Z}^{3b}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ , and  $-\text{CH}_2\text{C}(=\text{O})\text{O}(\text{CH}_2)_2\text{OCH}_3$ ,
- (ee)  $-\text{NZ}^3-\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2-$ , wherein  $\text{Z}^3$  is chosen from H and  $-\text{C}(=\text{O})\text{CH}_3$ ,
- (ff)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{CHZ}^1-\text{CH}_2-\text{CZ}^2\text{Z}^2-$ , wherein  $\text{Z}^1$  is chosen from H,  $-\text{NHC}(=\text{O})\text{CF}_3$ ,  $-\text{NH}_2$ , 4-morpholinyl,  $-\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{NHC}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{NHC}(=\text{O})-(1\text{-pyrrolidinyl})$ ,  $-\text{NHC}(=\text{O})\text{OCH}_3$ ,  $-\text{NH}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{NHC}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{NHC}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{NHC}(=\text{O})\text{CF}_3$ , and  $-\text{NHC}(=\text{O})\text{CH}_3$ , each  $\text{Z}^2$  is independently chosen from H and  $-\text{CH}_3$ , and  $\text{Z}^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2-\text{O}-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2-(1\text{-pyrrolidinyl})$ ,  $-(\text{CH}_2)_2-(1\text{-pyrrolidinyl})$ ,  $-\text{C}(=\text{O})\text{CH}_2-(2\text{-phthalimidyl})$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-\text{C}(=\text{O})-(1\text{-pyrrolidinyl})$ , and  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,
- (gg)  $-\text{NH}-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (hh)  $-\text{NZ}^{3a}-\text{C}(=\text{O})-\text{CH}_2-\text{NZ}^{3b}-\text{CZ}^1\text{Z}^2-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are each independently chosen from H and  $-\text{CH}_3$ ,  $\text{Z}^{3a}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_3$ , and  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ , and  $\text{Z}^{3b}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}\equiv\text{N}$ ,  $-\text{CH}_2$ -cyclopropyl,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{O}-\text{CH}_2$ -phenyl,  $-\text{CH}_2$ -phenyl,  $-\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ , and  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ ,

- (ii)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{O}-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_3$ ,
- (jj)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-$ , wherein  $Z^1$  and  $Z^2$  are each independently chosen from H and  $-\text{CH}_3$ ,
- 5 (kk)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_3$ ,
- (ll)  $-\text{O}-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^1$  and  $Z^2$  are both H, or  $Z^1$  is  $-\text{OH}$  and  $Z^2$  is  $-\text{CH}_2\text{OH}$ , and  $Z^3$  is chosen from H,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{O}(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2-(1-$   
 10  $\text{pyrrolidinyl})$ ,  $-(\text{CH}_2)_2-(1-\text{pyrrolidinyl})$ ,  $-\text{C}(=\text{O})\text{O}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{O}-(1-\text{methylpiperidin-3-yl})$ , and  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,
- (mm)  $-\text{O}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (nn)  $-\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^3$  is chosen from H,  $-\text{C}(=\text{O})\text{CH}_3$ , and  $-\text{C}(=\text{O})\text{CF}_3$ ,
- 15 (oo)  $-\text{CH}-\text{N}-\text{CH}_2-\text{CH}_2-\text{CH}_2-$   
 $\quad \quad \quad \text{L}_X$ ,
- wherein X is a group of formula  $=\text{N}-\text{CH}=\text{CH}-$ , which combined with the atoms to which it is attached, forms an imidazolyl group,
- (pp)  $-\text{N}-\text{CH}-\text{C}(=\text{O})-\text{CH}_2-\text{O}-$   
 $\quad \quad \quad \text{L}_X$ ,
- 20 wherein X is a group of formula  $-\text{CH}=\text{CH}-\text{CH}=\text{}$ , which combined with the atoms to which it is attached, forms a pyrrolyl group,
- (qq)  $-\text{N}-\text{CH}-\text{CH}=\text{CH}-\text{O}-$   
 $\quad \quad \quad \text{L}_X$ ,
- 25 wherein X is a group of formula  $-\text{CH}=\text{CH}-\text{CH}=\text{}$ , which combined with the atoms to which it is attached, forms a pyrrolyl group,
- (rr)  $-\text{N}-\text{CH}-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-$   
 $\quad \quad \quad \text{L}_X$ ,
- 30 wherein X is a group of formula  $-\text{CH}=\text{CH}-\text{N}=\text{}$  or  $-\text{C}(\text{CH}_3)=\text{CH}-\text{N}=\text{}$ , which combined with the atoms to which it is attached, forms an imidazolyl group or a methylimidazolyl group, and  $Z^1$  and  $Z^2$  are each independently chosen from H and  $-\text{CH}_3$ ,
- (ss)  $-\text{N}-\text{CH}-\text{CH}_2-\text{NH}-\text{CH}_2-$   
 $\quad \quad \quad \text{L}_X$ ,





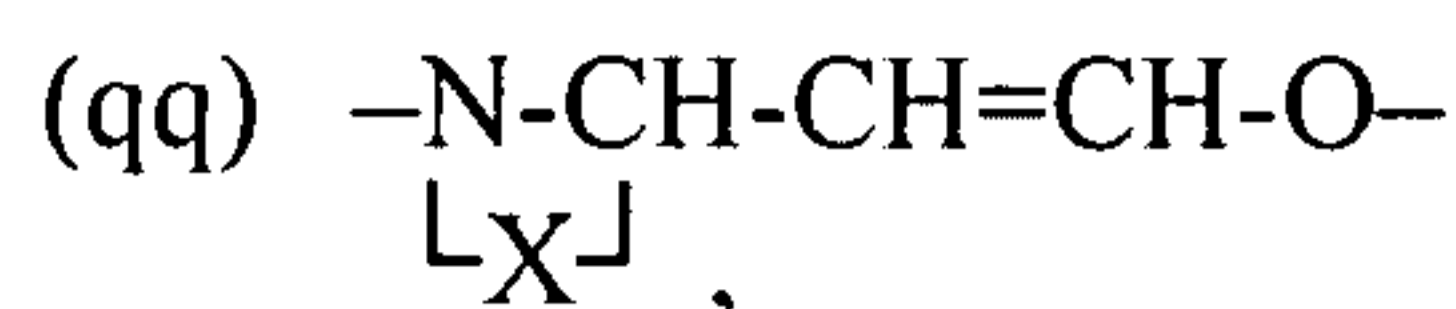
- (e)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^{1a}\text{Z}^{2a}-\text{C}(=\text{O})-\text{NZ}^3-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are both H or both are  $-\text{CH}_3$ ,  $\text{Z}^{1a}$  and  $\text{Z}^{2a}$  are both  $-\text{CH}_3$ , or  $\text{Z}^{1a}$  is H and  $\text{Z}^{2a}$  is chosen from H,  $-\text{NHC}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{NHC}(=\text{O})\text{cyclopropyl}$ ,  $-\text{NHC}(=\text{O})\text{CF}_3$ ,  $-\text{NH}_2$ , 4-morpholinyl,  $-\text{N}(\text{CH}_3)_2$ , and  $-\text{NHC}(=\text{O})\text{CH}_2\text{OCH}_3$ , and  $\text{Z}^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CO}_2\text{Me}$ ,  $-\text{CH}_2\text{CO}_2\text{H}$ ,  $-\text{CH}_2\text{C}(=\text{O})(4\text{-methylpiperazinyl})$ ,  $-(\text{CH}_2)_2\text{OCH}_3$ , and  $-\text{CH}(\text{CH}_3)_2$ ,
- (f)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ , wherein  $\text{Z}^3$  is chosen from H and  $-\text{CH}_3$ ,
- (g)  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$ ,
- (h)  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CZ}^1\text{Z}^2-$ , wherein  $\text{Z}^1$  and  $\text{Z}^2$  are both  $-\text{CH}_3$ ,
- (i)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ , wherein  $\text{Z}^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{SO}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{CF}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{OCH}_3)\text{CF}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})(1,4\text{-dioxan-2-yl})$ ,  $-\text{CH}_2(1,4\text{-dioxan-2-yl})$ ,  $-\text{CH}_2\text{CHF}_2$ ,  $-\text{CH}_2\text{CH}_2\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{-cyclopropyl}$ ,  $-\text{CH}_2\text{CF}_2\text{CH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{NHCH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{CH}_2\text{OCH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{C}(=\text{O})-(4\text{-morpholinyl})$ ,  $-\text{CH}_2\text{C}(=\text{O})-(4\text{-methylpiperazin-1-yl})$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}(=\text{O})-(1\text{-pyrrolidinyl})$ ,  $-\text{CH}_2-(2\text{-oxazolyl})$ ,  $-\text{CH}_2-(1\text{-methylimidazol-2-yl})$ ,  $-\text{C}(=\text{O})\text{CH}_2-(4\text{-morpholinyl})$ ,  $-\text{CH}_2\text{C}(=\text{O})-(1\text{-azetidiny})$ ,  $-\text{CH}(\text{CH}_2\text{CH}_2\text{F})_2$ ,  $-(\text{CH}_2)_2-(4\text{-morpholinyl})$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}(\text{NH}_2)\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OP}(=\text{O})(\text{OH})_2$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{C}(\text{NH}_2)(\text{CH}_3)_2$ , and  $-\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)_2$ ,
- (j)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-$ ,
- (k)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{C}(=\text{O})-\text{NZ}^3-$ , wherein  $\text{Z}^3$  is chosen from  $-\text{CH}_3$  and  $-\text{CH}_2\text{CH}_3$ ,
- (l)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CHZ}^1-$ , wherein  $\text{Z}^1$  is chosen from H and  $-\text{CH}_2\text{CH}_3$ , and  $\text{Z}^3$  is chosen from H,  $-\text{CH}_2\text{CH}_3$ ,  $-(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_3-(4\text{-morpholinyl})$ , and  $-(\text{CH}_2)_2-(4\text{-morpholinyl})$ ,
- (m)  $-\text{CH}_2-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ , wherein  $\text{Z}^3$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_3$ ,
- (n)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^{3a}-$ , wherein  $\text{Z}^3$  is chosen from H,  $-\text{C}(=\text{O})\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_2-\text{O}-\text{CH}_3$ , and  $\text{Z}^{3a}$  is chosen from H and  $-\text{CH}_3$ ,
- (o)  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $\text{Z}^3$  is  $-\text{CH}_3$ ,



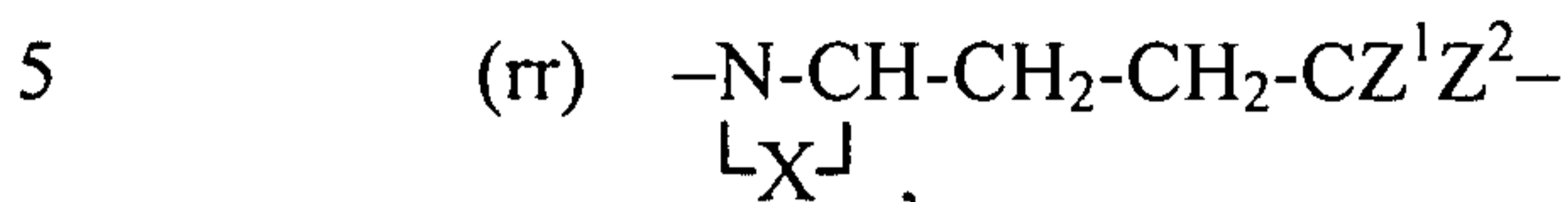
- (p)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-O}-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_2\text{CH}_2\text{-O-CH}_3$ ,
- (q)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-CH}_2\text{-S}-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{-O-CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{CH}_2\text{-OC(=O)CH}_3$ ,
- 5 (r)  $-\text{CH}_2\text{-NH-CH}_2\text{-CH}_2\text{-SO}_2-$ ,
- (s)  $-\text{CH}_2\text{-NZ}^3\text{-CH}_2\text{-C(=O)-NH}-$ , wherein  $Z^3$  is  $-\text{CH}_2\text{-phenyl}$ ,
- (t)  $-\text{CZ}^1\text{Z}^2\text{-NZ}^3\text{-C(=O)-CH}_2\text{-CH}_2-$ , wherein  $Z^1$  and  $Z^2$  are both H or both are  $-\text{CH}_3$ , and  $Z^3$  is independently chosen from H and  $-\text{CH}_3$ ,
- (u)  $-\text{CH}_2\text{-NZ}^3\text{-C(=O)-CH=CH}-$ , wherein  $Z^3$  is  $-\text{CH}_3$ ,
- 10 (v)  $-\text{CH}_2\text{-NH-C(=O)-NH-CH}_2-$ ,
- (w)  $-\text{C(=O)-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CH}_2-$ , wherein  $Z^1$  is  $-\text{NHC(=O)CH}_3$ ,
- (x)  $-\text{C(=O)-NZ}^3\text{-CH}_2\text{-CH}_2\text{-CH}_2-$ , wherein  $Z^3$  is chosen from H and  $-\text{CH}_3$ ,
- (y)  $-\text{C(=O)-NH-CH}_2\text{-CH}_2\text{-O}-$ ,
- (z)  $-\text{C(=O)-NZ}^3\text{-CHZ}^1\text{-CHZ}^2\text{-NZ}^{3a}-$ , wherein  $Z^1$  and  $Z^2$  are independently chosen from H and  $-\text{CH}_3$ ,  $Z^3$  is chosen from H and  $-\text{CH}_3$ , and  $Z^{3a}$  is chosen from H,  $-\text{CH}_3$ , and  $-\text{C(=O)CF}_3$ ,
- 15 (aa)  $-\text{NZ}^3\text{-CH}_2\text{-CHZ}^1\text{-CH}_2\text{-CZ}^2\text{Z}^{2a}-$ , wherein  $Z^1$  is chosen from H and  $-\text{NH-(CH}_2)_2\text{-O-CH}_3$ ,  $Z^2$  and  $Z^{2a}$  are both H or both are  $-\text{CH}_3$ , and  $Z^3$  is chosen from H,  $-\text{C(=O)-CH}_3$ , and  $-\text{(CH}_2)_2\text{N(CH}_3)_2$ ,
- 20 (bb)  $-\text{NZ}^3\text{-CH}_2\text{-CZ}^1\text{Z}^2\text{-CH}_2\text{-O}-$ , wherein  $Z^1$  and  $Z^2$  are both H, or  $Z^1$  is  $-\text{OH}$  and  $Z^2$  is  $-\text{CH}_2\text{OH}$ , or  $Z^1$  is H and  $Z^2$  is 4-morpholinyl, and  $Z^3$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH(CH}_3)_2$ ,  $-\text{C(=O)CH}_3$ ,  $-\text{C(=O)CH}_2\text{-(pyrrolidin-1-yl)}$ , and  $-\text{C(=O)OCH}_2\text{CH}_3$ ,
- (cc)  $-\text{NZ}^{3a}\text{-CH}_2\text{-CH}_2\text{-NZ}^{3b}\text{-CH}_2-$ , wherein  $Z^{3a}$  is chosen from  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ , and  $-\text{C(=O)CH}_3$ , and  $Z^{3b}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{(CH}_2)_2\text{OC(=O)CH}_3$ ,  $-\text{CH}_2\text{C(=O)OCH}_3$ ,  $-\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{-cyclopropyl}$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-\text{C(=O)-(1-imidazolyl)}$ ,  $-\text{C(=O)N(CH}_3)_2$ ,  $-\text{CH}_2\text{CH(OH)CF}_3$ , and  $-\text{CH}_2\text{C(=O)N(CH}_3)_2$ ,
- 25 (dd)  $-\text{NZ}^{3a}\text{-CH}_2\text{-CH}_2\text{-NZ}^{3b}\text{-C(=O)-}$ , wherein  $Z^{3a}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH(CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{N(CH}_2\text{CH}_2)_2$ , and  $-\text{CH}_2\text{CH=CH}_2$ , and  $Z^{3b}$  is chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ , and  $-\text{CH}_2\text{C(=O)O(CH}_2)_2\text{OCH}_3$ ,
- 30 (ee)  $-\text{NZ}^3\text{-CH}_2\text{-C(=O)-NH-CH}_2-$ , wherein  $Z^3$  is  $-\text{C(=O)CH}_3$ ,
- (ff)  $-\text{NZ}^3\text{-C(=O)-CHZ}^1\text{-CH}_2\text{-CZ}^2\text{Z}^{2a}-$ , wherein  $Z^1$  is chosen from H,  $-\text{NHC(=O)CF}_3$ ,  $-\text{NH}_2$ , 4-morpholinyl,  $-\text{NHC(=O)CH}_3$ ,  $-\text{NHC(=O)CH}_2\text{OCH}_3$ ,

- $-\text{NHC}(=\text{O})-(1\text{-pyrrolidinyl}), -\text{NHC}(=\text{O})\text{OCH}_3, -\text{NH}(\text{CH}_2)_2\text{OCH}_3, -$   
 $\text{NHC}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2, -\text{NHC}(=\text{O})\text{CH}_2\text{OCH}_3, -\text{NHC}(=\text{O})\text{CF}_3,$  and  $-$   
 $\text{NHC}(=\text{O})\text{CH}_3,$   $Z^2$  and  $Z^{2a}$  are both H or both are  $-\text{CH}_3,$  and  $Z^3$  is chosen  
 from H,  $-\text{CH}_3, -\text{CH}_2\text{CH}_3, -\text{CH}(\text{CH}_3)_2, -\text{CH}_2\text{CH}_2\text{-O-CH}_3, -\text{CH}_2\text{CH}(\text{CH}_3)_2, -$   
 5  $\text{C}(=\text{O})\text{CH}_3, -\text{C}(=\text{O})\text{CH}_2-(1\text{-pyrrolidinyl}), -(\text{CH}_2)_2-(1\text{-pyrrolidinyl}), -$   
 $\text{C}(=\text{O})\text{CH}_2-(2\text{-phthalimidyl}), -\text{C}(=\text{O})\text{CH}_2\text{NH}_2, -\text{C}(=\text{O})-(1\text{-pyrrolidinyl}),$  and  
 $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2,$
- (gg)  $-\text{NH-C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{O}-,$
- (hh)  $-\text{NZ}^{3a}-\text{C}(=\text{O})-\text{CH}_2-\text{NZ}^{3b}-\text{CZ}^1\text{Z}^2-$ , wherein  $Z^1$  and  $Z^2$  are both H or both are  $-$   
 10  $\text{CH}_3,$   $Z^{3a}$  is chosen from H,  $-\text{CH}_3, -\text{CH}_2\text{CH}_3, -\text{C}(=\text{O})\text{CH}_3,$  and  $-$   
 $\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2,$  and  $Z^{3b}$  is chosen from H,  $-\text{CH}_3, -\text{CH}_2\text{CH}_3, -$   
 $\text{CH}_2\text{CH}_2\text{OCH}_3, -\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2, -\text{CH}_2\text{C}\equiv\text{N}, -\text{CH}_2\text{-cyclopropyl}, -$   
 $\text{C}(=\text{O})\text{CH}_3, -\text{C}(=\text{O})\text{CF}_3, -\text{C}(=\text{O})\text{O-CH}_2\text{-phenyl}, -\text{CH}_2\text{-phenyl}, -\text{SO}_2\text{CH}_3, -$   
 $\text{CH}_2\text{CH}_2\text{CF}_3, -\text{CH}_2\text{CH}_2\text{OH}, -\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2,$  and  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3,$
- (ii)  $-\text{NZ}^3-\text{C}(=\text{O})-\text{O-CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from  $-\text{CH}_3$  and  $-\text{CH}_2\text{CH}_3,$
- (jj)  $-\text{O-CH}_2-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-$ , wherein  $Z^1$  and  $Z^2$  are both H or both are  $-\text{CH}_3,$
- (kk)  $-\text{O-CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ , wherein  $Z^3$  is chosen from H,  $-\text{CH}_3,$  and  $-$   
 $\text{CH}_2\text{CH}_3,$
- (ll)  $-\text{O-CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^1$  and  $Z^2$  are both H, or  $Z^1$  is  $-\text{OH}$  and  
 20  $Z^2$  is  $-\text{CH}_2\text{OH},$  and  $Z^3$  is chosen from H,  $-\text{CH}_2\text{CH}_3, -\text{C}(=\text{O})\text{OCH}_2\text{CH}_3, -$   
 $\text{C}(=\text{O})\text{O}(\text{CH}_2)_3\text{N}(\text{CH}_3)_2, -\text{C}(=\text{O})\text{OCH}_3, -\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2, -\text{C}(=\text{O})\text{CH}_2-(1-$   
 $\text{pyrrolidinyl}), -(\text{CH}_2)_2-(1\text{-pyrrolidinyl}), -\text{C}(=\text{O})\text{O}(\text{CH}_2)_2\text{OCH}_3, -\text{C}(=\text{O})\text{O-}(1-$   
 $\text{methylpiperidin-3-yl}),$  and  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3,$
- (mm)  $-\text{O-CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-,$
- (nn)  $-\text{CH}_2-\text{NH-C}(=\text{O})-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^3$  is chosen from H,  $-$   
 25  $\text{C}(=\text{O})\text{CH}_3,$  and  $-\text{C}(=\text{O})\text{CF}_3,$
- (oo)  $-\text{CH-N-CH}_2-\text{CH}_2-\text{CH}_2-$   
 $\quad \quad \quad \downarrow \text{X} \downarrow,$
- wherein X is a group of formula  $=\text{N-CH=CH}-,$  which combined with the  
 30 atoms to which it is attached, forms an imidazolyl group,
- (pp)  $-\text{N-CH-C}(=\text{O})-\text{CH}_2-\text{O}-$   
 $\quad \quad \quad \downarrow \text{X} \downarrow,$
- wherein X is a group of formula  $-\text{CH=CH-CH=},$  which combined with the  
 atoms to which it is attached, forms a pyrrolyl group,

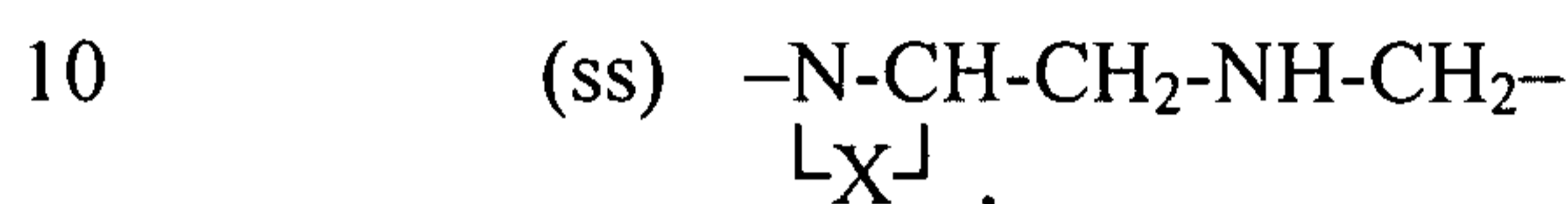




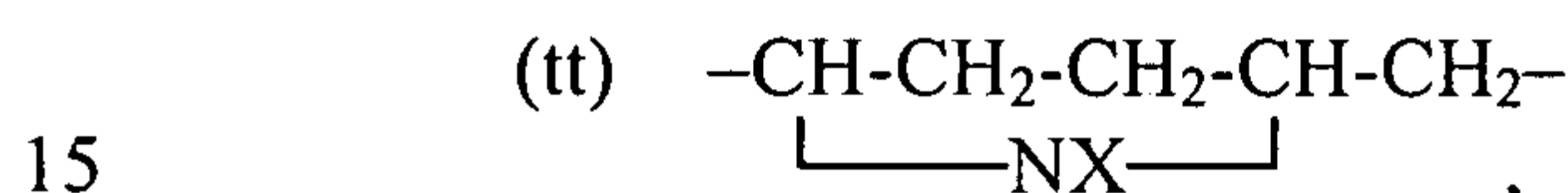
wherein X is a group of formula  $\text{-CH=CH-CH=}$ , which combined with the atoms to which it is attached, forms a pyrrolyl group,



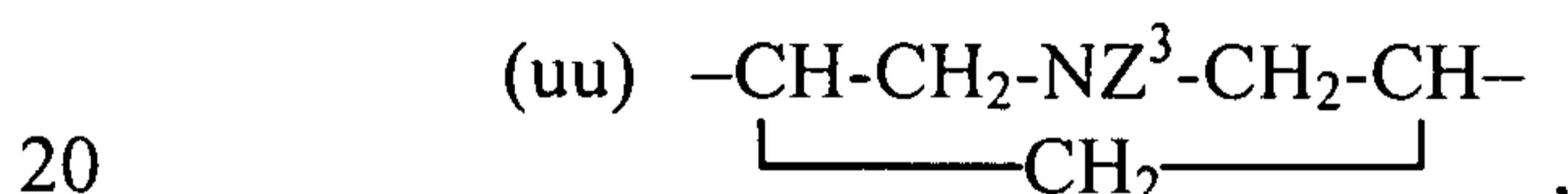
wherein X is a group of formula  $\text{-CH=CH-N=}$  or  $\text{-C(CH}_3\text{)=CH-N=}$ , which combined with the atoms to which it is attached, forms an imidazolyl group or a methylimidazolyl group, and  $Z^1$  and  $Z^2$  are both H or both are  $\text{-CH}_3$ ,



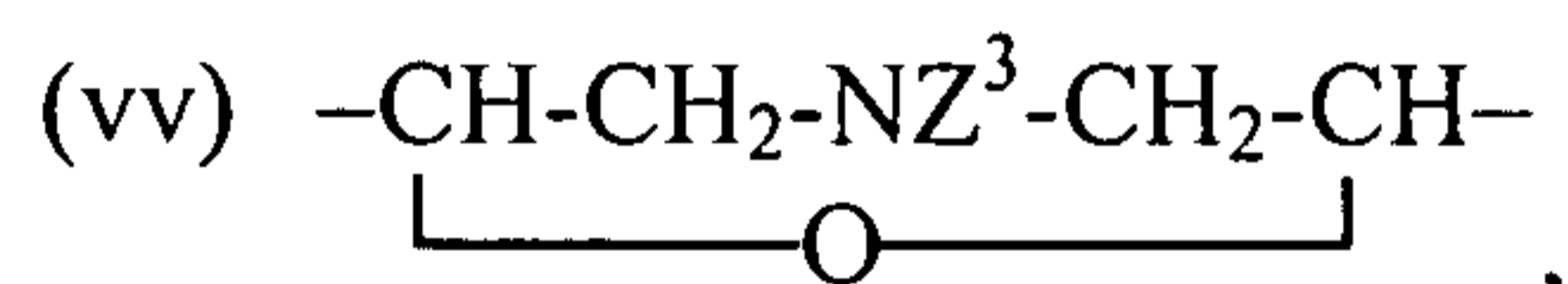
wherein X is a group of formula  $\text{-CH=CH-N=}$ , which combined with the atoms to which it is attached, forms an imidazolyl group,



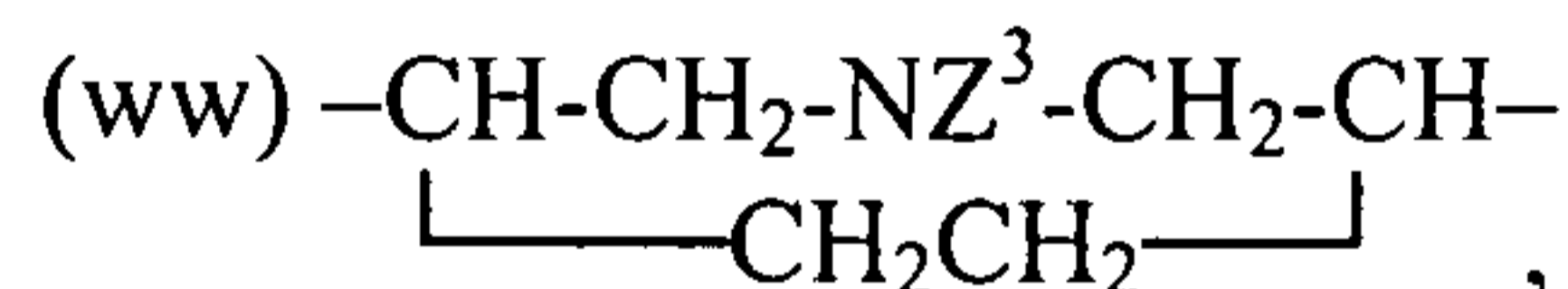
wherein X is chosen from H,  $\text{-CH}_2\text{CH}_3$ ,  $\text{-CH(CH}_3\text{)}_2$ ,  $\text{-CH(CH}_3\text{)CH}_2\text{CH}_3$ ,  $\text{-CH}_2\text{C(CH}_3\text{)}_3$ ,  $\text{-CH}_2\text{-cyclopropyl}$ ,  $\text{-CH}_2\text{CH}_2\text{OCH}_3$ ,  $\text{-C(=O)cyclopropyl}$ ,  $\text{-CO}_2\text{CH}_2\text{CH}_3$ ,  $\text{-CH}_2\text{C}\equiv\text{CH}$ , and  $\text{-S(=O)}_2\text{CH}_3$ ,



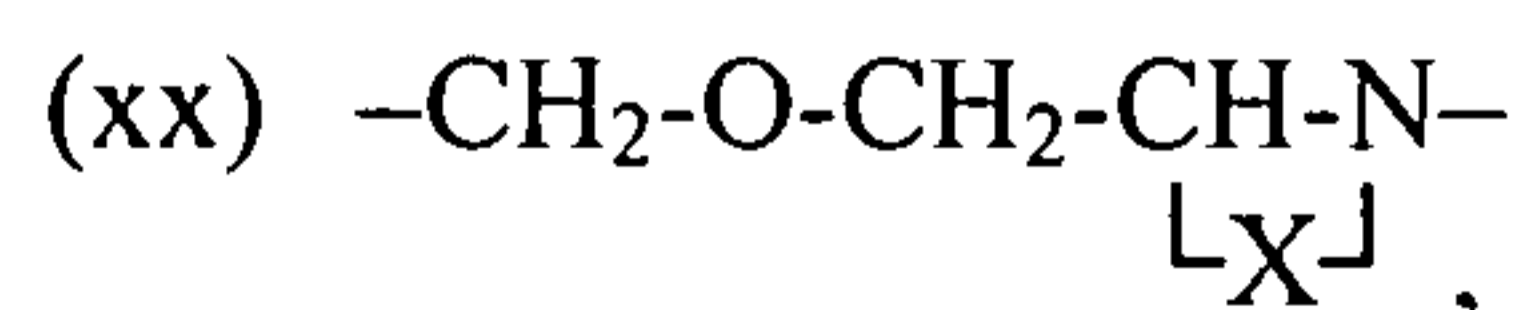
wherein  $Z^3$  is chosen from  $\text{-CH}_2\text{CH}_3$ ,  $\text{-CH(CH}_3\text{)}_2$ ,  $\text{-CH}_2\text{CH}_2\text{OCH}_3$ , and  $\text{-S(=O)}_2\text{CH}_3$ ,



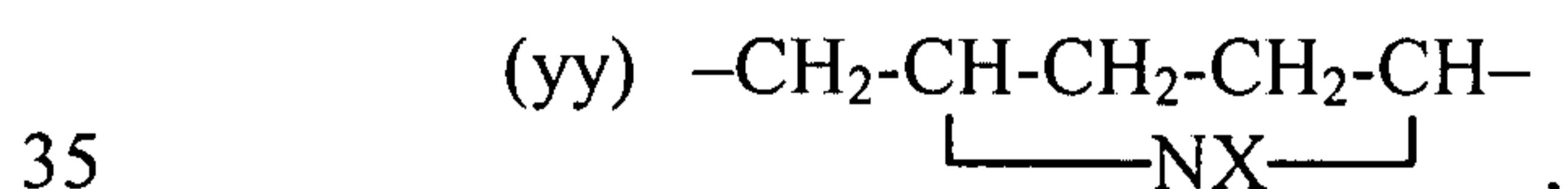
25 wherein  $Z^3$  is chosen from H,  $\text{-CH}_2\text{CH}_3$ ,  $\text{-CH(CH}_3\text{)}_2$ ,  $\text{-CH}_2\text{C}\equiv\text{CH}$ , and  $\text{-S(=O)}_2\text{CH}_3$ ,



30 wherein  $Z^3$  is chosen from H,  $\text{-CH}_2\text{CH}_3$ ,  $\text{-CH(CH}_3\text{)}_2$ ,  $\text{-C(=O)CH}_3$ ,  $\text{-CH}_2\text{CN}$ ,  $\text{-C(=O)CF}_3$ ,  $\text{-CH}_2\text{CH}_2\text{F}$ ,  $\text{-CH}_2\text{CH}_2\text{OCH}_3$ ,  $\text{-CH}_2\text{C}\equiv\text{CH}$ , and  $\text{-S(=O)}_2\text{CH}_3$ ,



wherein X is chosen from  $\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$  and  $\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-}$ , or



wherein X is  $\text{-C(=O)OCH}_2\text{CH}_3$ .

In another embodiment,  $\text{-A}^1\text{-A}^2\text{-A}^3\text{-A}^4\text{-A}^5\text{-}$  is a group of formula:

- (a)  $-\text{CH}_2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^1$  and  $Z^2$  are independently chosen from H, fluoro, and 4-morpholinyl,
- (b)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^1$ ,  $Z^2$ , and  $Z^3$  are independently chosen from H and methyl,
- 5 (c)  $-\text{CZ}^1\text{Z}^2-\text{CH}_2-\text{CZ}^1\text{Z}^2-\text{C}(=\text{O})-\text{NZ}^3-$ , wherein  $Z^1$  and  $Z^2$  are independently chosen from H and methyl, and  $Z^3$  is chosen from H, methyl, ethyl,  $-\text{CH}_2\text{C}(=\text{O})\text{OH}$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})$ -4-methylpiperazinyl, and  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,
- (d)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-$ , wherein  $Z^3$  is chosen from H and methyl,
- 10 (e)  $-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{CH}_2-\text{CH}_2-$ ,
- (f)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from H, methyl, ethyl, isopropyl,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{CH}_2\text{CF}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CF}_3$ ,  $-\text{CH}_2\text{CH}(\text{OCH}_3)\text{CF}_3$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,
- 15 (g)  $-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-$ ,
- (h)  $-\text{CH}_2-\text{CH}_2-\text{NZ}^3-\text{C}(=\text{O})-\text{CZ}^1\text{Z}^2-$ , wherein  $Z^1$ ,  $Z^2$ , and  $Z^3$  are independently chosen from H and ethyl,
- (i)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^{3a}-$ , wherein  $Z^3$  is chosen from H,  $-\text{C}(=\text{O})\text{CH}_3$ , and  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ , and  $Z^{3a}$  is chosen from H and methyl,
- 20 (j)  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{NZ}^3-$ , wherein  $Z^3$  is methyl,
- (k)  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{O}-$ ,
- (l)  $-\text{CH}_2-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{S}-$ , wherein  $Z^3$  is chosen from H, ethyl,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ , and  $-\text{CH}_2\text{CH}_2\text{OC}(=\text{O})\text{CH}_3$ ,
- 25 (m)  $-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{SO}_2-$ ,
- (n)  $-\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{NH}-\text{CH}_2-$ ,
- (o)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ , wherein  $Z^3$  is chosen from H and methyl,
- (p)  $-\text{C}(=\text{O})-\text{NZ}^3-\text{CZ}^1\text{Z}^2-\text{CZ}^1\text{Z}^2-\text{NZ}^{3a}-$ , wherein  $Z^1$ ,  $Z^2$ , and  $Z^3$  are independently chosen from H and methyl, and  $Z^{3a}$  is chosen from H, methyl, and  $-\text{C}(=\text{O})\text{CF}_3$ ,
- 30 (q)  $-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-$ , wherein  $Z^3$  is methyl or ethyl, and  $Z^{3a}$  is chosen from H, methyl, ethyl,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2$ -cyclopropyl,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})$ imidazolyl,  $-\text{CH}_2\text{CO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CF}_3$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{SO}_2\text{CH}_3$ ,





alkyl-C(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NHC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-CN, C<sub>1-6</sub>-haloalkyl, -C<sub>1-6</sub>-haloalkyl-OR<sup>40</sup>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen, -S(=O)<sub>n</sub>R<sup>40</sup>, -S(=O)<sub>2</sub>NR<sup>42</sup>R<sup>43</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>40</sup>, -OC(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>C(=O)R<sup>41</sup>, -NR<sup>40</sup>C(=O)OR<sup>41</sup>, -NR<sup>40</sup>S(=O)<sub>2</sub>R<sup>41</sup>, -NR<sup>40</sup>C(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>S(=O)<sub>2</sub>NR<sup>42</sup>R<sup>43</sup>, and -SCF<sub>3</sub>, and

(c) any two of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may together form a group of formula -A<sup>6</sup>-A<sup>7</sup>-A<sup>8</sup>-A<sup>9</sup>-A<sup>10</sup>-.

In another embodiment, Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

- (a) any of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may be independently chosen from H, halogen, -NO<sub>2</sub>, -OR<sup>40</sup>, -C(=O)R<sup>40</sup>, -C(=O)OR<sup>40</sup>, -C(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>R<sup>41</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NHC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-CN, C<sub>1-6</sub>-haloalkyl, -C<sub>1-6</sub>-haloalkyl-OR<sup>40</sup>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen, -S(=O)<sub>n</sub>R<sup>40</sup>, -S(=O)<sub>2</sub>NR<sup>42</sup>R<sup>43</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>40</sup>, -OC(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>C(=O)R<sup>41</sup>, -NR<sup>40</sup>C(=O)OR<sup>41</sup>, -NR<sup>40</sup>S(=O)<sub>2</sub>R<sup>41</sup>, and -SCF<sub>3</sub>, and
- (b) any two of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may together form a group of formula -A<sup>6</sup>-A<sup>7</sup>-A<sup>8</sup>-A<sup>9</sup>-A<sup>10</sup>-.

In another embodiment, Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

- (a) any of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may be independently chosen from H, halogen, -NO<sub>2</sub>, -OR<sup>40</sup>, -C(=O)R<sup>40</sup>, -C(=O)OR<sup>40</sup>, -C(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>R<sup>41</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NHC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-CN, C<sub>1-6</sub>-haloalkyl, -C<sub>1-6</sub>-haloalkyl-OR<sup>40</sup>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl, pseudohalogen, -S(=O)<sub>2</sub>R<sup>40</sup>, -S(=O)<sub>2</sub>NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>C(=O)R<sup>41</sup>, -NR<sup>40</sup>C(=O)OR<sup>41</sup>, and -NR<sup>40</sup>S(=O)<sub>2</sub>R<sup>41</sup>, and



- (b) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

- (a) any  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, halogen,  $-C(=O)R^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $R^{40}$ ,  $-C_{1-6}$ -alkyl- $OR^{40}$ ,  $-C_{1-6}$ -alkyl- $OC(=O)R^{40}$ ,  $-C_{1-6}$ -alkyl- $C(=O)R^{40}$ ,  $-C_{1-6}$ -alkyl- $C(=O)OR^{40}$ ,  $-C_{1-6}$ -alkyl- $C(=O)NR^{42}R^{43}$ ,  $-C_{1-6}$ -alkyl- $NR^{42}R^{43}$ ,  $-C_{1-6}$ -alkyl- $NHC(=O)R^{40}$ ,  $-C_{1-6}$ -alkyl- $CN$ ,  $C_{1-6}$ -haloalkyl,  $-C_{1-6}$ -haloalkyl- $OR^{40}$ ,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, 3-15 membered heterocycloalkyl, and  $-S(=O)_2R^{40}$ , and
- (b) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ , wherein  $A^6$  is  $-CZ^4Z^5-$ ,  $-NZ^6-$ , or  $-O-$ ,  $A^7$ ,  $A^8$ , and  $A^9$  are independently a bond or  $-CZ^4Z^5-$ , and  $A^{10}$  is a bond.

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are independently chosen from H, halogen,  $-C(=O)R^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $R^{40}$ ,  $-C_{1-6}$ -alkyl- $OR^{40}$ ,  $-C_{1-6}$ -alkyl- $OC(=O)R^{40}$ ,  $-C_{1-6}$ -alkyl- $C(=O)R^{40}$ ,  $-C_{1-6}$ -alkyl- $C(=O)OR^{40}$ ,  $-C_{1-6}$ -alkyl- $C(=O)NR^{42}R^{43}$ ,  $-C_{1-6}$ -alkyl- $NR^{42}R^{43}$ ,  $-C_{1-6}$ -alkyl- $NHC(=O)R^{40}$ ,  $-C_{1-6}$ -alkyl- $CN$ ,  $C_{1-6}$ -haloalkyl,  $-C_{1-6}$ -haloalkyl- $OR^{40}$ ,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, 3-15 membered heterocycloalkyl, and  $-S(=O)_2R^{40}$ . In another embodiment, two (2) of  $Z^1$ ,  $Z^2$ , and  $Z^3$  together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ . In another embodiment, two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ , wherein  $A^6$  is  $-CZ^4Z^5-$ ,  $-NZ^6-$ , or  $-O-$ ,  $A^7$ ,  $A^8$ , and  $A^9$  are independently a bond or  $-CZ^1Z^2-$ , and  $A^{10}$  is a bond.

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

- (a) any  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, halogen,  $-C(=O)C_{1-6}$ -alkyl,  $-C(=O)$ -5-membered heteroaryl,  $-C(=O)C_{1-6}$ -haloalkyl,  $-C(=O)N(C_{1-6}alkyl)(C_{1-6}alkyl)$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C_{3-10}$ -cycloalkyl,  $-C_{1-6}$ -alkyl- $OH$ ,  $-C_{1-6}$ -alkyl- $O-C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $OC(=O)-C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)-6$  membered heterocycloalkyl- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)OH$ ,  $-C_{1-6}$ -alkyl- $C(=O)O-C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)N(C_{1-6}alkyl)(C_{1-6}alkyl)$ ,  $-C_{1-6}$ -alkyl- $N(C_{1-6}alkyl)(C_{1-6}alkyl)$ ,  $-C_{1-6}$ -alkyl- $NHC(=O)-C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $CN$ ,  $C_{1-6}$ -haloalkyl,  $-C_{1-6}$ -haloalkyl- $OH$ ,  $-C_{1-6}$ -haloalkyl- $O-C_{1-6}$ -alkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, 6 membered heterocycloalkyl, and  $-S(=O)_2-C_{1-6}$ -alkyl, and

- (b) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ , wherein  $A^6$  is  $-CH_2-$ ,  $-NZ^6-$ , or  $-O-$ ,  $A^7$ ,  $A^8$ , and  $A^9$  are independently a bond or  $-CH_2-$ , and  $A^{10}$  is a bond.

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  cannot together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

- (a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms, and

(b) any of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, halogen,  $-NO_2$ ,  $-OR^{40}$ ,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{6-15}$ -aryl- $(R^{45})_x$ , 5-15 membered heteroaryl- $(R^{45})_x$ ,  $C_{3-10}$  cycloalkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , pseudohalogen,  $-S(=O)_nR^{40}$ ,  $-S(=O)_2NR^{42}R^{43}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{40}$ ,  $-OC(=O)NR^{42}R^{43}$ ,  $-NR^{40}C(=O)R^{41}$ ,  $-NR^{40}C(=O)OR^{41}$ ,  $-NR^{40}S(=O)_2R^{41}$ ,  $-NR^{40}C(=O)NR^{42}R^{43}$ ,  $-NR^{40}S(=O)_2NR^{42}R^{43}$ , and  $-SCF_3$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

- (a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms, and

(b) any of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H,  $-OR^{40}$ ,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 5-10 membered heteroaryl- $(R^{45})_x$ ,  $C_{3-10}$  cycloalkyl- $(R^{45})_x$ , 3-10 membered heterocycloalkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ ,  $-S(=O)_2NR^{42}R^{43}$ ,  $-NR^{40}C(=O)R^{41}$ ,  $-NR^{40}C(=O)OR^{41}$ ,  $-NR^{40}S(=O)_2R^{41}$ ,  $-NR^{40}C(=O)NR^{42}R^{43}$ , and  $-NR^{40}S(=O)_2NR^{42}R^{43}$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

- (a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $-NR^{40}C(=O)R^{41}$ ,  $-NR^{40}C(=O)OR^{41}$ ,  $-NR^{40}S(=O)_2R^{41}$ ,  $-NR^{40}C(=O)NR^{42}R^{43}$ , and  $-NR^{40}S(=O)_2NR^{42}R^{43}$ ,



(c) any  $Z^3$  may be independently chosen from H,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , and  $-S(=O)_nR^{40}$ , and

(d) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $-NR^{40}C(=O)R^{41}$ ,  $-NR^{40}C(=O)OR^{41}$ ,  $-NR^{40}S(=O)_2R^{41}$ ,  $-NR^{40}C(=O)NR^{42}R^{43}$ , and  $-NR^{40}S(=O)_2NR^{42}R^{43}$ , and

(c) any  $Z^3$  may be independently chosen from H,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , and  $-S(=O)_nR^{40}$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ ,  $-S(=O)_nR^{40}$ ,  $-NR^{40}C(=O)R^{41}$ , and  $-NR^{40}C(=O)OR^{41}$ , and

(c) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $-NR^{40}C(=O)R^{41}$ , and  $-NR^{40}C(=O)OR^{41}$ ,

(c) any  $Z^3$  may be independently chosen from H,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , and  $-S(=O)_nR^{40}$ , and

(d) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms, and

(b) any of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ ,  $-S(=O)_nR^{40}$ ,  $-NR^{40}C(=O)R^{41}$ , and  $-NR^{40}C(=O)OR^{41}$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $-NR^{40}C(=O)R^{41}$ , and  $-NR^{40}C(=O)OR^{41}$ , and

(c) any  $Z^3$  may be independently chosen from H,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , and  $-S(=O)_nR^{40}$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

(b) any of  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-NHR^{40}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $-NHC(=O)R^{41}$ , and  $-NHC(=O)OR^{41}$ ,

(c) any  $Z^3$  may be independently chosen from H,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , and  $-S(=O)_nR^{40}$ , and

(d) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

(a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,



(b) any of  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $-OR^{40}$ ,  $-NHR^{40}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ , 3-15 membered heterocycloalkyl- $(R^{45})_x$ ,  $-NHC(=O)R^{41}$ , and  $-NHC(=O)OR^{41}$ , and

5 (c) any  $Z^3$  may be independently chosen from H,  $-C(=O)R^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkenyl- $(R^{45})_x$ ,  $C_{2-6}$ -alkynyl- $(R^{45})_x$ , and  $-S(=O)_nR^{40}$ .

In another embodiment, each  $Z^1$  and  $Z^2$  is independently chosen from H, halogen,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $OR^{40}$ ,  $-NR^{40}R^{41}$ ,  $-OR^{40}$ , 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl- $(R^{45})_x$ ,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl,  $-N(R^{76})C(=O)C_{1-6}$ -haloalkyl, 10  $-N(R^{76})C(=O)C_{1-6}$ -alkyl- $N(R^{76})_2$ ,  $-N(R^{76})C(=O)C_{1-6}$ -alkyl- $OR^{76}$ ,  $-N(R^{76})C(=O)$ - $(5-7$  membered heterocycloalkyl),  $-N(R^{76})C(=O)$ - $(C_{3-7}$ -cycloalkyl), and  $-N(R^{76})C(=O)OC_{1-6}$ -alkyl, and each  $Z^3$  is independently chosen from H,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $(R^{45})_x$ ,  $-C(=O)R^{40}$ ,  $C_{1-6}$ -haloalkyl,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $-C_{1-6}$ -haloalkyl- $OR^{76}$ ,  $C_{2-6}$ -alkynyl, and  $-S(=O)_2$ - $C_{1-6}$ -alkyl, each  $R^{76}$  is independently chosen from H and  $C_{1-6}$ -alkyl, 15 and x is 0, 1, or 2.

In another embodiment, each  $Z^1$ ,  $Z^2$ , and  $Z^3$  is independently chosen from H, halogen,  $-C(=O)C_{1-6}$ -alkyl,  $-C(=O)$ -5-membered heteroaryl,  $-C(=O)C_{1-6}$ -haloalkyl,  $-C(=O)N(C_{1-6}$ alkyl) $(C_{1-6}$ -alkyl),  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C_{3-10}$ -cycloalkyl,  $-C_{1-6}$ -alkyl-OH,  $-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $OC(=O)$ - $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)$ -6 membered 20 heterocycloalkyl- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)OH$ ,  $-C_{1-6}$ -alkyl- $C(=O)O$ - $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)N(C_{1-6}$ alkyl) $(C_{1-6}$ -alkyl),  $-C_{1-6}$ -alkyl- $N(C_{1-6}$ alkyl) $(C_{1-6}$ -alkyl),  $-C_{1-6}$ -alkyl- $NHC(=O)$ - $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-CN,  $C_{1-6}$ -haloalkyl,  $-C_{1-6}$ -haloalkyl-OH,  $-C_{1-6}$ -haloalkyl-O- $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, 6 membered heterocycloalkyl, and  $-S(=O)_2$ - $C_{1-6}$ -alkyl.

25 In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are independently chosen from H, halogen,  $-C(=O)C_{1-6}$ -alkyl,  $-C(=O)$ -5-membered heteroaryl,  $-C(=O)C_{1-6}$ -haloalkyl,  $-C(=O)N(C_{1-6}$ alkyl) $(C_{1-6}$ -alkyl),  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C_{3-10}$ -cycloalkyl,  $-C_{1-6}$ -alkyl-OH,  $-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $OC(=O)$ - $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)$ -6 membered heterocycloalkyl- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)OH$ ,  $-C_{1-6}$ -alkyl- $C(=O)O$ - $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $C(=O)N(C_{1-6}$ alkyl) $(C_{1-6}$ -alkyl),  $-C_{1-6}$ -alkyl- $N(C_{1-6}$ alkyl) $(C_{1-6}$ -alkyl),  $-C_{1-6}$ -alkyl- $NHC(=O)$ - $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-CN,  $C_{1-6}$ -haloalkyl,  $-C_{1-6}$ -haloalkyl-OH,  $-C_{1-6}$ -haloalkyl-O- $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl, 6 membered heterocycloalkyl, and  $-S(=O)_2$ - $C_{1-6}$ -alkyl. 30 In another embodiment, two (2) of  $Z^1$ ,  $Z^2$ , and  $Z^3$  together form a group of formula

$-A^6-A^7-A^8-A^9-A^{10}-$ , wherein  $A^6$  is  $-\text{CH}_2-$ ,  $-\text{NZ}^6-$ , or  $-\text{O}-$ ,  $A^7$ ,  $A^8$ , and  $A^9$  are independently a bond or  $-\text{CH}_2-$ , and  $A^{10}$  is a bond.

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as follows:

- (a) any  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently chosen from H, F,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{imidazolyl}$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ , isopropyl,  $-\text{CH}_2\text{-cyclopropyl}$ ,  $-(\text{CH}_2)_2\text{-OH}$ ,  $-(\text{CH}_2)_2\text{-OCH}_3$ ,  $-(\text{CH}_2)_2\text{-OC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})(4\text{-methylpiperazinyl})$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OH}$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{CH}_2\text{-C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{-N}(\text{ethyl})_2$ ,  $-(\text{CH}_2)_2\text{-NHC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CN}$ ,  $-\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{CH}_2\text{-CF}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{-CHOH-CF}_3$ ,  $-\text{CH}_2\text{-CH}(\text{OCH}_3)\text{-CF}_3$ ,  $-\text{CH}_2\text{C}=\text{CH}_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , 4-morpholinyl, and  $-\text{SO}_2\text{CH}_3$ , and
- (b) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ , wherein  $-A^6-A^7-A^8-A^9-A^{10}-$  is a group of formula  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2-$ ,  $-\text{CH}_2\text{-CH}_2\text{-CH}_2-$ ,  $-\text{CH}_2\text{-CH}_2-$ ,  $-\text{CH}_2-$ ,  $-\text{O}-$ ,  $-\text{NZ}^6-$ .

In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are independently chosen from H, F,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{imidazolyl}$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ , isopropyl,  $-\text{CH}_2\text{-cyclopropyl}$ ,  $-(\text{CH}_2)_2\text{-OH}$ ,  $-(\text{CH}_2)_2\text{-OCH}_3$ ,  $-(\text{CH}_2)_2\text{-OC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})(4\text{-methylpiperazinyl})$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OH}$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{CH}_2\text{-C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{-N}(\text{ethyl})_2$ ,  $-(\text{CH}_2)_2\text{-NHC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CN}$ ,  $-\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{CH}_2\text{-CF}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{-CHOH-CF}_3$ ,  $-\text{CH}_2\text{-CH}(\text{OCH}_3)\text{-CF}_3$ ,  $-\text{CH}_2\text{C}=\text{CH}_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , 4-morpholinyl, and  $-\text{SO}_2\text{CH}_3$ . In another embodiment, two (2) of  $Z^1$ ,  $Z^2$ , and  $Z^3$  together form a group of formula  $-A^6-A^7-A^8-A^9-A^{10}-$ , wherein  $-A^6-A^7-A^8-A^9-A^{10}-$  is a group of formula  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2-$ ,  $-\text{CH}_2\text{-CH}_2\text{-CH}_2-$ ,  $-\text{CH}_2\text{-CH}_2-$ ,  $-\text{CH}_2-$ ,  $-\text{O}-$ ,  $-\text{NZ}^6-$ .

In another embodiment, any two  $Z^1$ ,  $Z^2$ , and  $Z^3$  that are located on adjacent atoms may together form a bond between the atoms, any  $Z^1$  and  $Z^2$  may be independently chosen from H, halogen,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $-\text{OR}^{76}$ , 5-7 membered heterocycloalkyl, 5-7 membered heterocycloalkyl- $\text{R}^{45}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-N}(\text{R}^{76})_2$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{-(5-7 membered heterocycloalkyl)}$ ,  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{-(C}_{3-6}\text{-cycloalkyl)}$ , and  $-\text{N}(\text{R}^{76})\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ,  $\text{R}^{40}$  and  $\text{R}^{41}$  are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-4}$ -haloalkyl,  $-\text{C}_{1-6}\text{-alkyl-OR}^{76}$ ,  $-\text{C}_{1-6}\text{-alkyl-N}(\text{R}^{76})_2$ , and  $\text{C}_{3-6}$ -cycloalkyl,  $\text{R}^{45}$  is chosen from  $-\text{OR}^{76}$ ,  $\text{C}_{1-6}$ -alkyl, 5-7 membered heterocycloalkyl, and 5-7 membered heterocycloalkyl- $\text{C}_{1-6}$ -alkyl, each  $\text{R}^{76}$  is independently chosen from H and  $\text{C}_{1-6}$ -alkyl, any  $Z^3$  may be chosen from H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}\text{-alkyl-R}^{45a}$ ,  $-\text{C}_{1-6}\text{-alkyl-(O-C}_{1-6}\text{-alkyl)}_2$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl-R}^{45b}$ ,  $-\text{C}(=\text{O})\text{C}_{1-6}\text{-haloalkyl}$ ,  $-\text{C}(=\text{O})\text{-(5-7 membered$



heterocycloalkyl),  $-C(=O)-(5-7 \text{ membered heteroaryl})$ ,  $C_{1-6}\text{-haloalkyl}$ ,  $-C(=O)OC_{1-6}\text{-alkyl}$ ,  
 $-C(=O)OC_{1-6}\text{-alkyl-R}^{45c}$ ,  $-C(=O)O-(5-7\text{-membered heterocycloalkyl-C}_{1-6}\text{-alkyl})$ ,  $-$   
 $C(=O)N(R^{62})_2$ ,  $-C_{1-6}\text{-haloalkyl-OR}^{62}$ ,  $C_{2-6}\text{-alkenyl}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2\text{-C}_{1-6}\text{-alkyl}$ ,  
 $R^{45a}$  is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl,  $C_{3-6}\text{-cycloalkyl}$ , 5-6  
5 membered heteroaryl, 5-6 membered heteroaryl- $C_{1-6}\text{-alkyl}$ , phenyl,  $-SO_2\text{-C}_{1-6}\text{-alkyl}$ ,  $-$   
 $C(=O)NR^{62}R^{63}$ ,  $-C(=O)OC_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-C(=O)OR^{62}$ ,  $-C(=O)-(4-7 \text{ membered}$   
heterocycloalkyl),  $-C(=O)-(5-7 \text{ membered heterocycloalkyl-C}_{1-6}\text{-alkyl})$ ,  $-OC(=O)C_{1-6}\text{-}$   
alkyl,  $-OC(=O)C_{1-6}\text{-alkyl-N}(R^{62})_2$ ,  $-OP(=O)(OH)_2$ ,  $-N(R^{62})C(=O)\text{-C}_{1-6}\text{-alkyl}$ ,  $-N(R^{62})_2$ ,  
phenyl, and  $-C\equiv N$ ,  $R^{45b}$  is chosen from  $-OR^{62}$ , 5-7 membered heterocycloalkyl, 5-10  
10 membered heteroaryl- $(R^{79})_x$ , and  $-N(R^{62})_2$ ,  $R^{45c}$  is chosen from  $-OR^{62}$ , phenyl, and  $-$   
 $N(R^{62})_2$ , each  $R^{62}$  and  $R^{63}$  is independently chosen from H and  $C_{1-6}\text{-alkyl}$ , each  $R^{79}$  is =O,  
and x is 0, 1, or 2.

In another embodiment, each  $Z^1$  and  $Z^2$  is independently chosen from H, halogen,  
 $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl-OH}$ ,  $-NR^{40}R^{41}$ ,  $-OH$ , 6 membered heterocycloalkyl, 6 membered  
15 heterocycloalkyl- $R^{45}$ ,  $-NHC(=O)C_{1-6}\text{-alkyl}$ ,  $-NHC(=O)C_{1-6}\text{-haloalkyl}$ ,  $-NHC(=O)C_{1-6}\text{-}$   
alkyl- $N(C_{1-6}\text{-alkyl})_2$ ,  $-NHC(=O)C_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-NHC(=O)-(5 \text{ membered}$   
heterocycloalkyl), and  $-NHC(=O)OC_{1-6}\text{-alkyl}$ , each  $R^{40}$  and  $R^{41}$  is independently chosen  
from H,  $C_{1-6}\text{-alkyl}$ ,  $C_{1-4}\text{-haloalkyl}$ ,  $-C_{1-6}\text{-alkyl-OH}$ ,  $-C_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-C(=O)C_{1-6}\text{-}$   
alkyl- $N(C_{1-6}\text{-alkyl})_2$ ,  $-C(=O)C_{3-6}\text{-cycloalkyl}$ ,  $-C(=O)C_{1-4}\text{-haloalkyl}$ , and  $-C(=O)C_{1-6}\text{-alkyl-}$   
20  $O-C_{1-4}\text{-alkyl}$ , each  $R^{45}$  is independently chosen from  $-OH$ ,  $C_{1-6}\text{-alkyl}$ , and 6 membered  
heterocycloalkyl- $C_{1-6}\text{-alkyl}$ , each  $Z^3$  is independently chosen from H,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-}$   
alkyl- $R^{45a}$ ,  $-C_{1-6}\text{-alkyl-(O-C}_{1-6}\text{-alkyl)}_2$ ,  $-C(=O)C_{1-6}\text{-alkyl}$ ,  $-C(=O)C_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-$   
 $C(=O)C_{1-6}\text{-haloalkyl}$ ,  $-C(=O)-(5-6\text{-membered heterocycloalkyl})$ ,  $-C(=O)C_{1-6}\text{-alkyl-(5-6-}$   
membered heterocycloalkyl),  $-C(=O)-(5\text{-membered heteroaryl})$ ,  $-C(=O)C_{1-6}\text{-alkyl-(9-}$   
25 membered heteroaryl- $(R^{79})_2$ ,  $-C(=O)C_{1-6}\text{-alkyl-(5-membered heteroaryl)}$ ,  $-C(=O)C_{1-6}\text{-}$   
alkyl- $NH_2$ ,  $-C(=O)C_{1-6}\text{-alkyl-N}(C_{1-6}\text{-alkyl})_2$ ,  $C_{1-6}\text{-haloalkyl}$ ,  $-C(=O)OC_{1-6}\text{-alkyl}$ ,  $-$   
 $C(=O)OC_{1-6}\text{-alkyl-phenyl}$ ,  $-C(=O)OC_{1-6}\text{-alkyl-N}(C_{1-6}\text{-alkyl})_2$ ,  $-C(=O)OC_{1-6}\text{-alkyl-O-C}_{1-4}\text{-}$   
alkyl,  $-C(=O)O-(6\text{-membered heterocycloalkyl-C}_{1-6}\text{-alkyl})$ ,  $-C(=O)N(C_{1-6}\text{-alkyl})_2$ ,  $-C_{1-6}\text{-}$   
haloalkyl- $OH$ ,  $-C_{1-6}\text{-haloalkyl-O-C}_{1-6}\text{-alkyl}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2\text{-C}_{1-6}\text{-alkyl}$ , each  
30  $R^{45a}$  is independently chosen from  $-OH$ ,  $-O-C_{1-6}\text{-alkyl}$ , 5-6 membered heterocycloalkyl,  
 $C_{3-6}\text{-cycloalkyl}$ , 5 membered heteroaryl, 5 membered heteroaryl- $C_{1-6}\text{-alkyl}$ , phenyl,  $-SO_2\text{-}$   
 $C_{1-6}\text{-alkyl}$ ,  $-C(=O)NR^{62}R^{63}$ ,  $-C(=O)OC_{1-6}\text{-alkyl}$ ,  $-C(=O)OC_{1-6}\text{-alkyl-O-C}_{1-4}\text{-alkyl}$ ,  $-$   
 $C(=O)OH$ ,  $-C(=O)C_{1-6}\text{-alkyl}$ ,  $-C(=O)-(4-6 \text{ membered heterocycloalkyl})$ ,  $-C(=O)-(6$   
membered heterocycloalkyl- $C_{1-6}\text{-alkyl})$ ,  $-OC(=O)C_{1-6}\text{-alkyl}$ ,  $-OC(=O)C_{1-6}\text{-alkyl-NH}_2$ ,  $-$

OP(=O)(OH)<sub>2</sub>, -NHC(=O)-C<sub>1-6</sub>-alkyl, -N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, phenyl, and -C≡N, each R<sup>62</sup> and R<sup>63</sup> is independently chosen from H and C<sub>1-6</sub>alkyl, and each R<sup>79</sup> is =O.

In another embodiment, Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

- (a) any two Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> that are located on adjacent atoms may together form  
5 a bond between the atoms,
- (b) any Z<sup>1</sup> and Z<sup>2</sup> may be independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -  
CH<sub>2</sub>OH, F, -OH, -NH<sub>2</sub>, -N(CH<sub>3</sub>)<sub>2</sub>, -NHCH<sub>2</sub>CF<sub>3</sub>, -NHCH<sub>2</sub>CHF<sub>2</sub>, -  
NH(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -NH(CH<sub>2</sub>)<sub>2</sub>OH, -N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -  
NHC(=O)CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -NHC(=O)CH<sub>3</sub>, -NHC(=O)CF<sub>3</sub>, -  
10 NHC(=O)CH<sub>2</sub>OCH<sub>3</sub>, -NHC(=O)cyclopropyl, -NHC(=O)-(1-pyrrolidinyl), -  
NHC(=O)OCH<sub>3</sub>, 4-morpholinyl, 4-(4-methylpiperazin-1-yl)piperidin-1-yl, 4-  
methylpiperazin-1-yl, and 3-hydroxypiperidin-1-yl,
- (c) any Z<sup>3</sup> may be independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -  
CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>CF<sub>3</sub>, -  
15 CH<sub>2</sub>CH<sub>2</sub>F, -CH<sub>2</sub>CHF<sub>2</sub>, -CH<sub>2</sub>CF<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CF(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>2</sub>CH<sub>2</sub>F)<sub>2</sub>, -  
CH<sub>2</sub>CH(OH)CF<sub>3</sub>, -CH<sub>2</sub>CH(OCH<sub>3</sub>)CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>OH, -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, -  
CH<sub>2</sub>CH(OH)CH<sub>3</sub>, -CH<sub>2</sub>C(OH)(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>2</sub>OCH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -  
CH<sub>2</sub>C≡N, -(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CH<sub>2</sub>N(CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>, -CH<sub>2</sub>-  
20 cyclopropyl, -CH<sub>2</sub>-phenyl, -(CH<sub>2</sub>)<sub>3</sub>-(4-morpholinyl), -(CH<sub>2</sub>)<sub>2</sub>-(4-  
morpholinyl), -(CH<sub>2</sub>)<sub>2</sub>-(1-pyrrolidinyl), -CH<sub>2</sub>-(2-oxazolyl), -CH<sub>2</sub>-(1-  
methylimidazol-2-yl), -CH<sub>2</sub>(1,4-dioxan-2-yl), -CH<sub>2</sub>CH<sub>2</sub>NHC(=O)CH<sub>3</sub>, -  
CH<sub>2</sub>C(=O)N(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>C(=O)NHCH<sub>3</sub>, -CH<sub>2</sub>C(=O)NH<sub>2</sub>, -CH<sub>2</sub>C(=O)-(4-  
methylpiperazinyl), -CH<sub>2</sub>C(=O)-(4-morpholinyl), -CH<sub>2</sub>C(=O)-(4-  
methylpiperazin-1-yl), -CH<sub>2</sub>C(=O)-(1-pyrrolidinyl), -CH<sub>2</sub>C(=O)-(1-  
25 azetidyl), -CH<sub>2</sub>CO<sub>2</sub>H, -CH<sub>2</sub>CO<sub>2</sub>Me, -CH<sub>2</sub>C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -  
CH<sub>2</sub>C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>-OC(=O)CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OC(=O)CH<sub>2</sub>NH<sub>2</sub>, -  
(CH<sub>2</sub>)<sub>2</sub>OC(=O)CH(NH<sub>2</sub>)CH(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OP(=O)(OH)<sub>2</sub>, -  
(CH<sub>2</sub>)<sub>2</sub>OC(=O)CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH=CH<sub>2</sub>, -CH<sub>2</sub>C≡CH, -  
C(=O)CH<sub>3</sub>, -C(=O)CF<sub>3</sub>, -C(=O)CH<sub>2</sub>OCH<sub>3</sub>, -C(=O)CH<sub>2</sub>NH<sub>2</sub>, -  
30 C(=O)CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -C(=O)C(NH<sub>2</sub>)(CH<sub>3</sub>)<sub>2</sub>, -C(=O)CH<sub>2</sub>-(1-pyrrolidinyl), -  
C(=O)CH<sub>2</sub>-(4-morpholinyl), -C(=O)CH<sub>2</sub>-(2-phthalimidyl), -C(=O)(1,4-  
dioxan-2-yl), -C(=O)-(1-imidazolyl), -C(=O)-(1-pyrrolidinyl), -  
C(=O)OCH<sub>3</sub>, -C(=O)OCH<sub>2</sub>CH<sub>3</sub>, -C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -



C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -C(=O)O-CH<sub>2</sub>-phenyl, -C(=O)O(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>, -  
C(=O)O-(1-methylpiperidin-3-yl), -C(=O)N(CH<sub>3</sub>)<sub>2</sub>, and -SO<sub>2</sub>CH<sub>3</sub>,

(d) any Z<sup>1</sup> and Z<sup>3</sup> on adjacent atoms may together form a group of formula =N-  
CH=CH-, -CH=CH-CH=, -CH=CH-N= or -C(CH<sub>3</sub>)=CH-N=,

5 (e) any Z<sup>1</sup> and Z<sup>2</sup> may together form a group of formula -NZ<sup>6</sup>-, wherein Z<sup>6</sup> is  
chosen from H, -CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>C(CH<sub>3</sub>)<sub>3</sub>, -  
CH<sub>2</sub>-cyclopropyl, -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, -C(=O)cyclopropyl, -CO<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -  
CH<sub>2</sub>C≡CH, and -S(=O)<sub>2</sub>CH<sub>3</sub>, and

10 (f) any Z<sup>1</sup> and Z<sup>2</sup> may together form a group of formula -CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, -  
CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, or -O-.

In another embodiment, Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

(a) any two Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> that are located on adjacent atoms may together form  
a bond between the atoms,

15 (b) any Z<sup>1</sup> and Z<sup>2</sup> may be independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -  
CH<sub>2</sub>OH, F, -OH, -NH<sub>2</sub>, -N(CH<sub>3</sub>)<sub>2</sub>, -NHCH<sub>2</sub>CF<sub>3</sub>, -NHCH<sub>2</sub>CHF<sub>2</sub>, -  
NH(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -NH(CH<sub>2</sub>)<sub>2</sub>OH, -N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -  
NHC(=O)CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -NHC(=O)CH<sub>3</sub>, -NHC(=O)CF<sub>3</sub>, -  
NHC(=O)CH<sub>2</sub>OCH<sub>3</sub>, -NHC(=O)cyclopropyl, -NHC(=O)-(1-pyrrolidinyl), -  
NHC(=O)OCH<sub>3</sub>, 4-morpholinyl, 4-(4-methylpiperazin-1-yl)piperidin-1-yl, 4-  
20 methylpiperazin-1-yl, and 3-hydroxypiperidin-1-yl,

(c) any Z<sup>3</sup> may be independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -  
CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>CF<sub>3</sub>, -  
CH<sub>2</sub>CH<sub>2</sub>F, -CH<sub>2</sub>CHF<sub>2</sub>, -CH<sub>2</sub>CF<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CF(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>2</sub>CH<sub>2</sub>F)<sub>2</sub>, -  
CH<sub>2</sub>CH(OH)CF<sub>3</sub>, -CH<sub>2</sub>CH(OCH<sub>3</sub>)CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>OH, -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, -  
25 CH<sub>2</sub>CH(OH)CH<sub>3</sub>, -CH<sub>2</sub>C(OH)(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>2</sub>OCH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -  
CH<sub>2</sub>C≡N, -(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CH<sub>2</sub>N(CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>, -CH<sub>2</sub>-  
cyclopropyl, -CH<sub>2</sub>-phenyl, -(CH<sub>2</sub>)<sub>3</sub>-(4-morpholinyl), -(CH<sub>2</sub>)<sub>2</sub>-(4-  
morpholinyl), -(CH<sub>2</sub>)<sub>2</sub>-(1-pyrrolidinyl), -CH<sub>2</sub>-(2-oxazolyl), -CH<sub>2</sub>-(1-  
methylimidazol-2-yl), -CH<sub>2</sub>(1,4-dioxan-2-yl), -CH<sub>2</sub>CH<sub>2</sub>NHC(=O)CH<sub>3</sub>, -  
30 CH<sub>2</sub>C(=O)N(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>C(=O)NHCH<sub>3</sub>, -CH<sub>2</sub>C(=O)NH<sub>2</sub>, -CH<sub>2</sub>C(=O)(4-  
methylpiperazinyl), -CH<sub>2</sub>C(=O)-(4-morpholinyl), -CH<sub>2</sub>C(=O)-(4-  
methylpiperazin-1-yl), -CH<sub>2</sub>C(=O)-(1-pyrrolidinyl), -CH<sub>2</sub>C(=O)-(1-  
azetidiny), -CH<sub>2</sub>CO<sub>2</sub>H, -CH<sub>2</sub>CO<sub>2</sub>Me, -CH<sub>2</sub>C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -  
CH<sub>2</sub>C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>-OC(=O)CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OC(=O)CH<sub>2</sub>NH<sub>2</sub>,

- $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}(\text{NH}_2)\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OP}(=\text{O})(\text{OH})_2$ ,  $-$   
 $(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}=\text{CH}_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-$   
 $\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-$   
 $\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{C}(\text{NH}_2)(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2$ -(1-pyrrolidinyl),  $-$   
5  $\text{C}(=\text{O})\text{CH}_2$ -(4-morpholinyl),  $-\text{C}(=\text{O})\text{CH}_2$ -(2-phthalimidyl),  $-\text{C}(=\text{O})$ (1,4-  
dioxan-2-yl),  $-\text{C}(=\text{O})$ -(1-imidazolyl),  $-\text{C}(=\text{O})$ -(1-pyrrolidinyl),  $-$   
 $\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2$ ,  $-$   
 $\text{C}(=\text{O})\text{O}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{O}-\text{CH}_2$ -phenyl,  $-\text{C}(=\text{O})\text{O}(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ ,  $-$   
 $\text{C}(=\text{O})\text{O}$ -(1-methylpiperidin-3-yl),  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ , and  $-\text{SO}_2\text{CH}_3$ ,  
10 (d) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
together form a group of formula  $=\text{N}-\text{CH}=\text{CH}-$ ,  
(e) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHZ}^1-\text{C}(=\text{O})-\text{CH}_2-\text{O}-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
together form a group of formula  $-\text{CH}=\text{CH}-\text{CH}=\text{$ ,  
(f) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHZ}^1-\text{CH}=\text{CH}-\text{O}-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
15 together form a group of formula  $-\text{CH}=\text{CH}-\text{CH}=\text{$ ,  
(g) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHA}^1-\text{CH}_2-\text{CH}_2-\text{CZ}^{1a}\text{Z}^{2a}-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
together form a group of formula  $-\text{CH}=\text{CH}-\text{N}=\text{$  or  $-\text{C}(\text{CH}_3)=\text{CH}-\text{N}=\text{$ ,  
wherein  $\text{Z}^{1a}$  and  $\text{Z}^{2a}$  are both H or both are  $-\text{CH}_3$ ,  
(h) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHZ}^1-\text{CH}_2-\text{NH}-\text{CH}_2-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
20 together form a group of formula  $-\text{CH}=\text{CH}-\text{N}=\text{$ ,  
(i) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-\text{CHZ}^2-\text{CH}_2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
together form a group of formula  $-\text{NZ}^6-$ , wherein  $\text{Z}^6$  is chosen from H,  $-$   
 $\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}_2-$   
cyclopropyl,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})$ cyclopropyl,  $-\text{CO}_2\text{CH}_2\text{CH}_3$ ,  $-$   
25  $\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,  
(j) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
together form a group of formula  $-\text{CH}_2-$ , wherein  $\text{Z}^{3a}$  is chosen from H,  $-$   
 $\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,  
(k) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
30 together form a group of formula  $-\text{O}-$ , wherein  $\text{Z}^{3a}$  is chosen from H,  $-$   
 $\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,  
(l) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
together form a group of formula  $-\text{CH}_2\text{CH}_2-$ , wherein  $\text{Z}^{3a}$  is chosen from H,



$-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CN}$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,

(m) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CHZ}^1-\text{NZ}^3-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may together form a group of formula  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$  or  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  
5 and

(n) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may together form a group of formula  $-\text{NZ}^6-$ , wherein  $\text{Z}^6$  is  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ .

In another embodiment,  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  are defined as follows:

(a) any  $\text{Z}^1$  and  $\text{Z}^2$  may be independently chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{OH}$ , F,  $-\text{OH}$ ,  $-\text{NH}_2$ ,  $-\text{N}(\text{CH}_3)_2$ ,  $-\text{NHCH}_2\text{CF}_3$ ,  $-\text{NHCH}_2\text{CHF}_2$ ,  $-\text{NH}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{NH}(\text{CH}_2)_2\text{OH}$ ,  $-\text{N}(\text{CH}_3)(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{NHC}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{NHC}(=\text{O})\text{CF}_3$ ,  $-\text{NHC}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{NHC}(=\text{O})\text{cyclopropyl}$ ,  $-\text{NHC}(=\text{O})-(1\text{-pyrrolidinyl})$ ,  $-\text{NHC}(=\text{O})\text{OCH}_3$ , 4-morpholinyl, 4-(4-methylpiperazin-1-yl)piperidin-1-yl, 4-methylpiperazin-1-yl, and 3-hydroxypiperidin-1-yl,  
10

(b) any  $\text{Z}^3$  may be independently chosen from H,  $-\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{CH}_2\text{CHF}_2$ ,  $-\text{CH}_2\text{CF}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CF}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{CH}_2\text{CH}_2\text{F})_2$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CF}_3$ ,  $-\text{CH}_2\text{CH}(\text{OCH}_3)\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{OH}$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$ ,  $-\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)_2$ ,  $-\text{CH}(\text{CH}_2\text{OCH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{CH}_2\text{C}\equiv\text{N}$ ,  $-(\text{CH}_2)_2\text{N}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2)_2$ ,  $-\text{CH}_2$ -cyclopropyl,  $-\text{CH}_2$ -phenyl,  $-(\text{CH}_2)_3$ -(4-morpholinyl),  $-(\text{CH}_2)_2$ -(4-morpholinyl),  $-(\text{CH}_2)_2$ -(1-pyrrolidinyl),  $-\text{CH}_2$ -(2-oxazolyl),  $-\text{CH}_2$ -(1-methylimidazol-2-yl),  $-\text{CH}_2$ (1,4-dioxan-2-yl),  $-\text{CH}_2\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{NHCH}_3$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{NH}_2$ ,  $-\text{CH}_2\text{C}(=\text{O})$ (4-methylpiperazinyl),  $-\text{CH}_2\text{C}(=\text{O})$ -(4-morpholinyl),  $-\text{CH}_2\text{C}(=\text{O})$ -(4-methylpiperazin-1-yl),  $-\text{CH}_2\text{C}(=\text{O})$ -(1-pyrrolidinyl),  $-\text{CH}_2\text{C}(=\text{O})$ -(1-azetidiny),  $-\text{CH}_2\text{CO}_2\text{H}$ ,  $-\text{CH}_2\text{CO}_2\text{Me}$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}(=\text{O})\text{O}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{CH}_2\text{CH}_2-\text{OC}(=\text{O})\text{CH}_3$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}(\text{NH}_2)\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OP}(=\text{O})(\text{OH})_2$ ,  $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}=\text{CH}_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{C}(\text{NH}_2)(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2$ -(1-pyrrolidinyl),  $-\text{C}(=\text{O})\text{CH}_2$ -(4-morpholinyl),  $-\text{C}(=\text{O})\text{CH}_2$ -(2-phthalimidyl),  $-\text{C}(=\text{O})$ (1,4-

dioxan-2-yl), -C(=O)-(1-imidazolyl), -C(=O)-(1-pyrrolidinyl), -  
 C(=O)OCH<sub>3</sub>, -C(=O)OCH<sub>2</sub>CH<sub>3</sub>, -C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -  
 C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -C(=O)O-CH<sub>2</sub>-phenyl, -C(=O)O(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>, -  
 C(=O)O-(1-methylpiperidin-3-yl), -C(=O)N(CH<sub>3</sub>)<sub>2</sub>, and -SO<sub>2</sub>CH<sub>3</sub>,

- 5 (c) any Z<sup>1</sup> and Z<sup>3</sup> on adjacent atoms may together form a group of formula =N-  
 CH=CH-, -CH=CH-CH=, -CH=CH-N= or -C(CH<sub>3</sub>)=CH-N=,  
 (d) any Z<sup>1</sup> and Z<sup>2</sup> may together form a group of formula -NZ<sup>6</sup>-, wherein Z<sup>6</sup> is  
 chosen from H, -CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>C(CH<sub>3</sub>)<sub>3</sub>, -  
 CH<sub>2</sub>-cyclopropyl, -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, -C(=O)cyclopropyl, -CO<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -  
 10 CH<sub>2</sub>C≡CH, and -S(=O)<sub>2</sub>CH<sub>3</sub>, and  
 (e) any Z<sup>1</sup> and Z<sup>2</sup> may together form a group of formula -CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, -  
 CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, or -O-.

In another embodiment, Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

- (a) any Z<sup>1</sup> and Z<sup>2</sup> may be independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -  
 15 CH<sub>2</sub>OH, F, -OH, -NH<sub>2</sub>, -N(CH<sub>3</sub>)<sub>2</sub>, -NHCH<sub>2</sub>CF<sub>3</sub>, -NHCH<sub>2</sub>CHF<sub>2</sub>, -  
 NH(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -NH(CH<sub>2</sub>)<sub>2</sub>OH, -N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -  
 NHC(=O)CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -NHC(=O)CH<sub>3</sub>, -NHC(=O)CF<sub>3</sub>, -  
 NHC(=O)CH<sub>2</sub>OCH<sub>3</sub>, -NHC(=O)cyclopropyl, -NHC(=O)-(1-pyrrolidinyl), -  
 NHC(=O)OCH<sub>3</sub>, 4-morpholinyl, 4-(4-methylpiperazin-1-yl)piperidin-1-yl, 4-  
 20 methylpiperazin-1-yl, and 3-hydroxypiperidin-1-yl,  
 (b) any Z<sup>3</sup> may be independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -  
 CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>CF<sub>3</sub>, -  
 CH<sub>2</sub>CH<sub>2</sub>F, -CH<sub>2</sub>CHF<sub>2</sub>, -CH<sub>2</sub>CF<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CF(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>2</sub>CH<sub>2</sub>F)<sub>2</sub>, -  
 CH<sub>2</sub>CH(OH)CF<sub>3</sub>, -CH<sub>2</sub>CH(OCH<sub>3</sub>)CF<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>OH, -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, -  
 25 CH<sub>2</sub>CH(OH)CH<sub>3</sub>, -CH<sub>2</sub>C(OH)(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>2</sub>OCH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -  
 CH<sub>2</sub>C≡N, -(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>CH<sub>2</sub>N(CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>, -CH<sub>2</sub>-  
 cyclopropyl, -CH<sub>2</sub>-phenyl, -(CH<sub>2</sub>)<sub>3</sub>-(4-morpholinyl), -(CH<sub>2</sub>)<sub>2</sub>-(4-  
 morpholinyl), -(CH<sub>2</sub>)<sub>2</sub>-(1-pyrrolidinyl), -CH<sub>2</sub>-(2-oxazolyl), -CH<sub>2</sub>-(1-  
 methylimidazol-2-yl), -CH<sub>2</sub>(1,4-dioxan-2-yl), -CH<sub>2</sub>CH<sub>2</sub>NHC(=O)CH<sub>3</sub>, -  
 30 CH<sub>2</sub>C(=O)N(CH<sub>3</sub>)<sub>2</sub>, -CH<sub>2</sub>C(=O)NHCH<sub>3</sub>, -CH<sub>2</sub>C(=O)NH<sub>2</sub>, -CH<sub>2</sub>C(=O)-(4-  
 methylpiperazinyl), -CH<sub>2</sub>C(=O)-(4-morpholinyl), -CH<sub>2</sub>C(=O)-(4-  
 methylpiperazin-1-yl), -CH<sub>2</sub>C(=O)-(1-pyrrolidinyl), -CH<sub>2</sub>C(=O)-(1-  
 azetidiny), -CH<sub>2</sub>CO<sub>2</sub>H, -CH<sub>2</sub>CO<sub>2</sub>Me, -CH<sub>2</sub>C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -  
 CH<sub>2</sub>C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>-OC(=O)CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OC(=O)CH<sub>2</sub>NH<sub>2</sub>,



- $-(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}(\text{NH}_2)\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2\text{OP}(=\text{O})(\text{OH})_2$ ,  $-$   
 $(\text{CH}_2)_2\text{OC}(=\text{O})\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}_2\text{SO}_2\text{CH}_3$ ,  $-\text{CH}_2\text{CH}=\text{CH}_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ ,  $-$   
 $\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NH}_2$ ,  $-$   
 $\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{C}(\text{NH}_2)(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2$ -(1-pyrrolidinyl),  $-$   
5  $\text{C}(=\text{O})\text{CH}_2$ -(4-morpholinyl),  $-\text{C}(=\text{O})\text{CH}_2$ -(2-phthalimidyl),  $-\text{C}(=\text{O})$ (1,4-  
dioxan-2-yl),  $-\text{C}(=\text{O})$ -(1-imidazolyl),  $-\text{C}(=\text{O})$ -(1-pyrrolidinyl),  $-$   
 $\text{C}(=\text{O})\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{OCH}(\text{CH}_3)_2$ ,  $-$   
 $\text{C}(=\text{O})\text{O}(\text{CH}_2)_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{O}-\text{CH}_2$ -phenyl,  $-\text{C}(=\text{O})\text{O}(\text{CH}_2)_3\text{N}(\text{CH}_3)_2$ ,  $-$   
 $\text{C}(=\text{O})\text{O}$ -(1-methylpiperidin-3-yl),  $-\text{C}(=\text{O})\text{N}(\text{CH}_3)_2$ , and  $-\text{SO}_2\text{CH}_3$ ,  
10 (c) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{NZ}^3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
together form a group of formula  $=\text{N}-\text{CH}=\text{CH}-$ ,  
(d) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHZ}^1-\text{C}(=\text{O})-\text{CH}_2-\text{O}-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
together form a group of formula  $-\text{CH}=\text{CH}-\text{CH}=\text{}$ ,  
(e) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHZ}^1-\text{CH}=\text{CH}-\text{O}-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
15 together form a group of formula  $-\text{CH}=\text{CH}-\text{CH}=\text{}$ ,  
(f) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHA}^1-\text{CH}_2-\text{CH}_2-\text{CZ}^{1a}\text{Z}^{2a}-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
together form a group of formula  $-\text{CH}=\text{CH}-\text{N}=\text{}$  or  $-\text{C}(\text{CH}_3)=\text{CH}-\text{N}=\text{}$ ,  
wherein  $\text{Z}^{1a}$  and  $\text{Z}^{2a}$  are both H or both are  $-\text{CH}_3$ ,  
(g) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{NZ}^3-\text{CHZ}^1-\text{CH}_2-\text{NH}-\text{CH}_2-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may  
20 together form a group of formula  $-\text{CH}=\text{CH}-\text{N}=\text{}$ ,  
(h) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-\text{CHZ}^2-\text{CH}_2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
together form a group of formula  $-\text{NZ}^6-$ , wherein  $\text{Z}^6$  is chosen from H,  $-$   
 $\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}_2$ -  
cyclopropyl,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})$ cyclopropyl,  $-\text{CO}_2\text{CH}_2\text{CH}_3$ ,  $-$   
25  $\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,  
(i) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
together form a group of formula  $-\text{CH}_2-$ , wherein  $\text{Z}^{3a}$  is chosen from H,  $-$   
 $\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,  
(j) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
30 together form a group of formula  $-\text{O}-$ , wherein  $\text{Z}^{3a}$  is chosen from H,  $-$   
 $\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,  
(k) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CHZ}^1-\text{CH}_2-\text{NZ}^{3a}-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may  
together form a group of formula  $-\text{CH}_2\text{CH}_2-$ , wherein  $\text{Z}^{3a}$  is chosen from H,

$-\text{CH}_2\text{CH}_3$ ,  $-\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{CH}_2\text{CN}$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{CH}_2\text{CH}_2\text{F}$ ,  $-\text{CH}_2\text{CH}_2\text{OCH}_3$ ,  $-\text{CH}_2\text{C}\equiv\text{CH}$ , and  $-\text{S}(=\text{O})_2\text{CH}_3$ ,

(l) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CH}_2-\text{O}-\text{CH}_2-\text{CHZ}^1-\text{NZ}^3-$ ,  $\text{Z}^1$  and  $\text{Z}^3$  may together form a group of formula  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$  or  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ,  
5 and

(m) when  $-\text{A}^1-\text{A}^2-\text{A}^3-\text{A}^4-\text{A}^5-$  is  $-\text{CH}_2-\text{CHZ}^1-\text{CH}_2-\text{CH}_2-\text{CHZ}^2-$ ,  $\text{Z}^1$  and  $\text{Z}^2$  may together form a group of formula  $-\text{NZ}^6-$ , wherein  $\text{Z}^6$  is  $-\text{C}(=\text{O})\text{OCH}_2\text{CH}_3$ .

In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are defined as in any of the above embodiments, except that when two of  $\text{R}^3$ ,  $\text{R}^4$ , and  $\text{R}^5$  are hydrogen, and the other is  
10 selected from the group consisting of hydrogen, halogen,  $-\text{NO}_2$ ,  $-\text{OH}$ ,  $-\text{O}(\text{C}_{4-7}$ -cycloalkyl),  $-\text{O}(\text{C}_{6-15}$ -aryl),  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{C}(=\text{O})\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-2}$ -alkyl,  $-\text{C}_{1-2}$ -alkyl- $\text{OR}^{30}$ ,  $-\text{C}_{1-2}$ -alkyl- $\text{NR}^{32}\text{R}^{33}$ ,  $\text{C}_{1-4}$ -fluoroalkyl,  $\text{C}_{2-5}$ -alkenyl,  $\text{C}_{2-5}$ -alkynyl,  $\text{C}_{6-15}$ -aryl,  $\text{C}_{3-7}$  cycloalkyl, N-containing 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_n\text{R}^{30}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ , and  $-\text{OCF}_3$ , then at least one of  $\text{A}^1$ ,  $\text{A}^2$ ,  
15  $\text{A}^3$ ,  $\text{A}^4$ , or  $\text{A}^5$  is not selected from the group consisting of:

- (a)  $-\text{CX}^1\text{X}^2-$ , wherein  $\text{X}^1$  and  $\text{X}^2$  are independently selected from the group consisting of hydrogen and  $\text{C}_{1-6}$ -alkyl,
- (b)  $-\text{O}-$ ,
- (c)  $-\text{S}-$ ,
- (d)  $-\text{S}(\text{O})-$ ,
- (e)  $-\text{S}(\text{O})_2-$ ,
- (f)  $-\text{N}(\text{C}(=\text{O})\text{C}_{1-6}\text{-alkyl})-$ ,
- (g)  $-\text{N}(\text{C}(=\text{O})\text{C}_{6-15}\text{-aryl})-$ ,
- (h)  $-\text{N}(\text{SO}_2\text{C}_{1-6}\text{-alkyl})-$ , and
- (i)  $-\text{N}(\text{S}(\text{O})_2\text{aryl})-$ .

In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are defined as in any of the above embodiments, except that when two of  $\text{R}^3$ ,  $\text{R}^4$ , and  $\text{R}^5$  are hydrogen, and the other is  
selected from the group consisting of hydrogen, halogen,  $-\text{NO}_2$ ,  $-\text{OH}$ ,  $-\text{O}(\text{C}_{4-7}$ -cycloalkyl),  $-\text{O}(\text{C}_{6-15}$ -aryl),  $-\text{C}(=\text{O})\text{R}^{30}$ ,  $-\text{C}(=\text{O})\text{OR}^{30}$ ,  $-\text{C}(=\text{O})\text{NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-2}$ -alkyl,  $-\text{C}_{1-2}$ -alkyl- $\text{OR}^{30}$ ,  $-\text{C}_{1-2}$ -alkyl- $\text{NR}^{32}\text{R}^{33}$ ,  $\text{C}_{1-4}$ -fluoroalkyl,  $\text{C}_{2-5}$ -alkenyl,  $\text{C}_{2-5}$ -alkynyl,  $\text{C}_{6-15}$ -aryl,  $\text{C}_{3-7}$  cycloalkyl, N-containing 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S}(=\text{O})_n\text{R}^{30}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ , and  $-\text{OCF}_3$ , then  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$   
30 do not form a group of formula  $-(\text{CH}_2)_m-\text{N}(\text{X})-(\text{CH}_2)_n-$ , wherein:



- (a) the methylene groups of the  $-(\text{CH}_2)_m\text{-N(X)-}(\text{CH}_2)_n-$  moiety are independently optionally substituted by one or two groups independently selected from  $\text{C}_{1-6}$ -alkyl,
- (b) X is selected from the group consisting of  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, and  $\text{C}_{6-15}$ -aryl,
- (c) m and n are independently selected from 0, 1, 2, 3, and 4, provided that  $m + n = 4$ , and
- (d) any methylene group in the  $-(\text{CH}_2)_m\text{-N(X)-}(\text{CH}_2)_n-$  moiety that is adjacent to the nitrogen atom of the  $-(\text{CH}_2)_m\text{-N(X)-}(\text{CH}_2)_n-$  moiety may be replaced by a carbonyl group.

In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are defined as in any of the above embodiments, except that when two of  $\text{R}^3$ ,  $\text{R}^4$ , and  $\text{R}^5$  are independently hydrogen, fluorine, or chlorine, and the other is selected from the group consisting of hydrogen, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{30}$ ,  $-\text{C(=O)R}^{30}$ ,  $-\text{C(=O)OR}^{30}$ ,  $-\text{C(=O)NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{R}^{31}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl- $\text{OR}^{30}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{32}\text{R}^{33}$ ,  $\text{C}_{1-2}$ -haloalkyl,  $\text{C}_{2-5}$ -alkenyl,  $\text{C}_{2-5}$ -alkynyl,  $\text{C}_{6-15}$ -aryl,  $\text{C}_{3-7}$  cycloalkyl, N-containing 3-15 membered heterocycloalkyl,  $-\text{CN}$ ,  $-\text{S(=O)}_n\text{R}^{30}$ ,  $-\text{S(=O)}_2\text{NR}^{32}\text{R}^{33}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NR}^{30}\text{C(=O)R}^{31}$ ,  $-\text{NR}^{30}\text{C(=O)OR}^{31}$ , and  $-\text{NR}^{30}\text{S(=O)}_2\text{R}^{31}$ , then at least one of  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , or  $\text{A}^5$  is not:

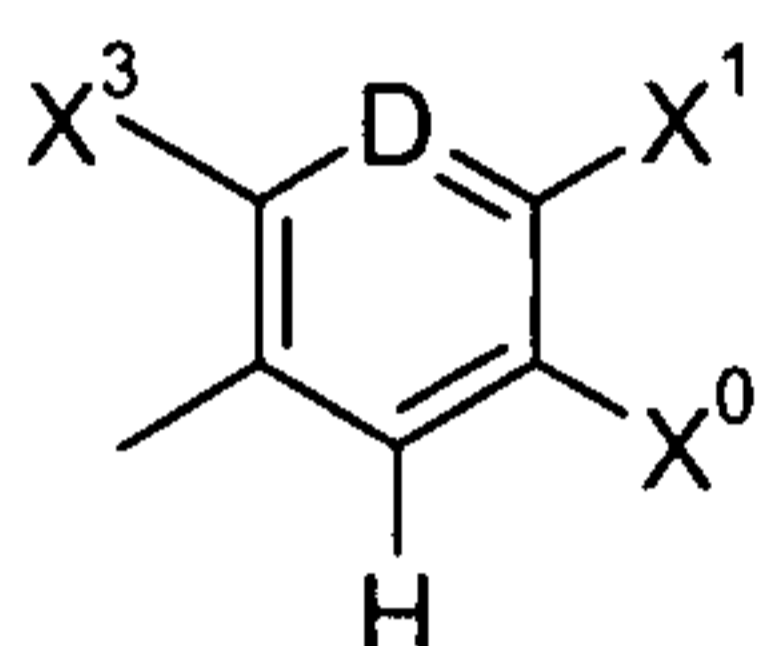
- (a)  $-\text{CX}^1\text{X}^2-$ , wherein  $\text{X}^1$  and  $\text{X}^2$  are independently selected from the group consisting of hydrogen and  $\text{C}_{1-6}$ -alkyl,
- (b)  $-\text{O}-$ ,
- (c)  $-\text{S}-$ ,
- (d)  $-\text{S(O)}-$ ,
- (e)  $-\text{S(O)}_2-$ , or
- (f)  $-\text{N(X}^3)-$ , wherein  $\text{X}^3$  is H,  $\text{C}_{1-6}$ -alkyl,  $-\text{C(=O)H}$ ,  $-\text{C(=O)C}_{1-6}$ -alkyl,  $-\text{CN}$ ,  $-\text{C(=O)O-C}_{1-6}$ -alkyl,  $-\text{S(O)}_2\text{-C}_{1-6}$ -alkyl, or  $-\text{C(=O)CF}_3$ ,
- (g)  $-\text{N(C(=O)C}_{6-15}\text{-aryl)}-$ ,
- (h)  $-\text{N(SO}_2\text{C}_{1-6}\text{-alkyl)}-$ , or
- (i)  $-\text{N(S(O)}_2\text{aryl)}-$ .

In another embodiment,  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are defined as in any of the above embodiments, except that none of  $\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  is  $-\text{O}-$  when either of the following (a) or (b) is true:

- (a)  $\text{R}^3$  and  $\text{R}^5$  are hydrogen, and  $\text{R}^4$  is selected from the group consisting of hydrogen,  $-\text{OR}^{40}$ ,  $-\text{C(=O)OR}^{40}$ ,  $-\text{C(=O)NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-}$

$6$ -alkyl-OR<sup>40</sup>,  $-C_{1-6}$ -alkyl-NR<sup>42</sup>R<sup>43</sup>,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl, 5-15 membered heteroaryl,  $C_{3-8}$  cycloalkyl, 3-15 membered heterocycloalkyl,  $-S(=O)_2NR^{42}R^{43}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-NR^{20}C(=O)alkyl$ , and  $-N(C_{1-6}-alkyl)C(=O)NR^{42}R^{43}$ , or

- 5 (b) R<sup>3</sup> and R<sup>5</sup> are hydrogen, R<sup>4</sup> is selected from the group consisting of hydrogen, halogen,  $-OR^{40}$ ,  $-C(=O)OR^{40}$ ,  $-C(=O)NR^{42}R^{43}$ ,  $-NR^{40}R^{41}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-OR<sup>40</sup>,  $-C_{1-6}$ -alkyl-NR<sup>42</sup>R<sup>43</sup>,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl, 5-15 membered heteroaryl,  $C_{3-8}$  cycloalkyl, 3-15 membered heterocycloalkyl,  $-S-C_{1-6}$ -alkyl,  $-S(=O)_2NR^{42}R^{43}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-NR^{20}C(=O)alkyl$ , and  $-N(C_{1-6}-alkyl)C(=O)NR^{42}R^{43}$ , and R<sup>2</sup> is a group of  
10 formula



having substituents as defined in either of the following (i) or (ii):

- 15 (i) D is  $=CX^2-$ , and any of the following (A)-(D) is true:
- (A) X<sup>1</sup> and X<sup>2</sup> form together with the C-atoms to which they are attached a 5 to 15 membered non-aromatic carbocyclic or heterocyclic residue, wherein the heterocyclic residue comprises 1 to 5 heteroatoms selected from N, O and S, or
- 20 (B) X<sup>1</sup> and X<sup>2</sup> together form a residue of formula  $-C(CH_3)=CH-O-$ ,  $-CH=CH-NH-$ , or  $-N=C(CH_3)-C(CH_3)=N-$ , or
- (C) X<sup>1</sup> and X<sup>2</sup> together form a residue of formula  $-CH=N-NH-$  and X<sup>3</sup> is  $-SO_2NR^{22}R^{23}$ , or
- (D) X<sup>2</sup> is  $-O-C_{1-5}$ -fluoroalkyl comprising 2 to 5 fluorine atoms,  $-N(CH_3)_2$ , or  $-O-C_{1-4}$ -alkyl, or
- 25 (ii) D is  $=N-$ , and any of the following (A)-(D) is true:
- (A) each of X<sup>0</sup>, X<sup>1</sup>, X<sup>2</sup>, and X<sup>3</sup> are independently selected from the group consisting of hydrogen, hydroxy,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-OH,  $-C_{1-6}$ -alkyl-O- $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl-NR<sup>22</sup>R<sup>23</sup>,  $C_{1-6}$ -haloalkyl, and  $C_{3-8}$  cycloalkyl, or
- 30 (B) each of X<sup>1</sup>, X<sup>2</sup>, and X<sup>3</sup> are independently selected from the group consisting of halogen,  $-NO_2$ ,  $-O-C_{1-6}$ -alkyl,  $-O-C_{1-6}$ -alkynyl,  $-O-$



C<sub>1-6</sub>-haloalkyl, -C(=O)-C<sub>2-6</sub>-alkyl, -C(=O)O-C<sub>2-6</sub>-alkyl, -C(=O)OH, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-6</sub>-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>22</sup>R<sup>23</sup>, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, 5-10 membered heterocycloalkyl, 3-15 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, 3-15 membered heterocycloalkyl-OH, 3-15 membered heterocycloalkyl-O-C<sub>1-6</sub>-alkyl, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, and -N(C<sub>1-6</sub>-alkyl)C(=O)-C<sub>1-6</sub>-alkyl, or

(C) X<sup>1</sup> and X<sup>2</sup> form together with the C-atoms to which they are attached C<sub>6-15</sub>-aryl or a 5-10 membered heteroaryl residue comprising one or two heteroatoms selected from N, O and S, wherein the C<sub>6-15</sub>-aryl or 5-10 membered heteroaryl residue is optionally substituted by one or more substituents independently selected from the group consisting of halogen, -OH, C<sub>1-6</sub>-alkyl, -O-C<sub>1-6</sub>-alkyl, -NO<sub>2</sub>, -CN, -COOH, -C(=O)NH<sub>2</sub>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>3-6</sub>-cycloalkyl, 3-7 membered heterocycloalkyl, phenyl, and 5-6 membered heteroaryl, or

(D) X<sup>1</sup> and X<sup>2</sup> form together with the C-atoms to which they are attached a 5-15 membered non-aromatic carbocyclic or heterocyclic residue, wherein the heterocyclic residue comprises 1-5 heteroatoms selected from N, O and S, and wherein the carbocyclic or heterocyclic residue is optionally substituted by one or more substituents independently selected from the group consisting of halogen, -OH, C<sub>1-6</sub>-alkyl, -O-C<sub>1-6</sub>-alkyl, -NO<sub>2</sub>, -CN, -COOH, -C(=O)NH<sub>2</sub>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>3-6</sub>-cycloalkyl, 3-7 membered heterocycloalkyl, phenyl, and 5-6 membered heteroaryl.

In another embodiment, both of the following (a) and (b) are true:

(a) two of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> together form a group of formula -A<sup>6</sup>-A<sup>7</sup>-A<sup>8</sup>-A<sup>9</sup>-A<sup>10</sup>-; and

(b) at least one of A<sup>6</sup>, A<sup>7</sup>, A<sup>8</sup>, A<sup>9</sup>, and A<sup>10</sup> is not a bond.

In another embodiment, A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, A<sup>4</sup>, and A<sup>5</sup> are defined as in any of the above embodiments, except that when R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are hydrogen, then A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, A<sup>4</sup>, and A<sup>5</sup> do not together form a group of formula -O-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-O-. In another embodiment,

$A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  are defined as in any of the above embodiments, except that  $A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  do not together form a group of formula  $-O-CH_2-CH_2-CH_2-O-$ . In another embodiment,  $A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  are defined as in any of the above embodiments, except that at least one of  $A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  is  $-S(=O)-$ . In another embodiment,  $Z^1$ ,  $Z^2$ , and  $Z^3$  are defined as in any of the above embodiments, except that at least one of  $Z^1$ ,  $Z^2$ , or  $Z^3$  is  $-NO_2$ ,  $-C_{1-6}$ -alkyl- $NR^{42}R^{43}$ ,  $-C_{1-6}$ -alkyl-CN,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkynyl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{40}$ ,  $-OC(=O)NR^{42}R^{43}$ ,  $-NR^{40}C(=O)R^{41}$ ,  $-NR^{40}C(=O)OR^{41}$ ,  $-NR^{40}S(=O)_2R^{41}$ ,  $-NR^{40}C(=O)NR^{42}R^{43}$ ,  $-NR^{40}SO_2NR^{42}R^{43}$ , or  $-SCF_3$ .

10 In another embodiment,  $R^{40}$  and  $R^{41}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents

15 independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ . In another embodiment,  $R^{40}$  and  $R^{41}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents

20 independently chosen from  $C_{1-6}$ -alkyl, phenyl, 5-10 membered heteroaryl- $(R^{79})_x$ , 3-10 membered heterocycloalkyl,  $-N(R^{76})_2$ , and  $-OR^{76}$ . In another embodiment,  $R^{40}$  and  $R^{41}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents

25 independently chosen from  $C_{1-6}$ -alkyl, phenyl, 5-10 membered heteroaryl- $(R^{79})_x$ , 3-10 membered heterocycloalkyl,  $-N(R^{76})_2$ , and  $-OR^{76}$ , wherein each  $R^{76}$  is independently chosen from H and  $C_{1-6}$ -alkyl,  $R^{79}$  is  $=O$ , and  $x$  is 0, 1, or 2. In another embodiment,  $R^{40}$  and  $R^{41}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents

30 independently chosen from  $C_{1-6}$ -alkyl, phenyl, 5-10 membered heteroaryl- $(R^{79})_2$ , 3-10 membered heterocycloalkyl,  $-N(R^{76})_2$ , and  $-OR^{76}$ , wherein each  $R^{76}$  is independently



chosen from H and C<sub>1-6</sub>-alkyl, and R<sup>79</sup> is =O. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or -OH. In another

5 embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or -OH. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered

10 heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or -OH. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-fluoroalkyl. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are

15 independently chosen from H, C<sub>1-6</sub>-alkyl, 5-15 membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 3-15 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 3-15 membered heterocycloalkyl. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, 5-10 membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 5-10 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 5-10 membered heterocycloalkyl. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each

20 occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, 5-membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 6-membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 6-membered heterocycloalkyl. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CHF<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OH, -CH<sub>2</sub>OCH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>NH<sub>2</sub>, -CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -C(NH<sub>2</sub>)(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>,

25 -CH<sub>2</sub>-(pyrrolidinyl), -CH<sub>2</sub>-(morpholinyl), -CH<sub>2</sub>-(phthalimidyl), -CH<sub>2</sub>-phenyl, -cyclopropyl, pyrrolidinyl, 1,4-dioxanyl, pyrrolidinyl, 1-methylpiperidinyl, imidazolyl, and -OCH<sub>3</sub>. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CHF<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OH, -CH<sub>2</sub>OCH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>NH<sub>2</sub>, -CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -C(NH<sub>2</sub>)(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>3</sub>N(CH<sub>3</sub>)<sub>2</sub>,

30 -CH<sub>2</sub>-(1-pyrrolidinyl), -CH<sub>2</sub>-(4-morpholinyl), -CH<sub>2</sub>-(2-phthalimidyl), -CH<sub>2</sub>-phenyl, -cyclopropyl, 1-pyrrolidinyl, 1,4-dioxan-2-yl, 1-pyrrolidinyl, 1-methylpiperidin-3-yl, 1-imidazolyl, and -OCH<sub>3</sub>. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, methyl, imidazolyl, -CF<sub>3</sub>, cyclopropyl,



(4-methylpiperazinyl), and 4-morpholinyl. In another embodiment, R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl.

In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl, in which said C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from C<sub>1-6</sub>-alkyl, halogen, and -OH; or R<sup>42</sup> and R<sup>43</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally substituted by one or more substituents independently chosen from C<sub>1-6</sub>-alkyl, halogen, and -OH. In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>42</sup> and R<sup>43</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>42</sup> and R<sup>43</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl; or R<sup>42</sup> and R<sup>43</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH. In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H and



C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from C<sub>1-6</sub>-alkyl.

In another embodiment, R<sup>45</sup> at each occurrence are independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>60</sup>, =O, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl-(R<sup>77</sup>)<sub>x</sub>, 5-15 membered heteroaryl-(R<sup>77</sup>)<sub>x</sub>, C<sub>3-10</sub> cycloalkyl-(R<sup>77</sup>)<sub>x</sub>, 3-15 membered heterocycloalkyl-(R<sup>77</sup>)<sub>x</sub>, pseudohalogen, -S(=O)<sub>n</sub>R<sup>60</sup>, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>60</sup>, -OC(=O)NR<sup>62</sup>R<sup>63</sup>, -OP(=O)(OH)<sub>2</sub>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, -NR<sup>60</sup>C(=O)OR<sup>61</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>, -NR<sup>60</sup>C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, and -SCF<sub>3</sub>, wherein R<sup>77</sup> at each occurrence is independently chosen from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from halogen, -NO<sub>2</sub>, -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen, -S(=O)<sub>n</sub>R<sup>60</sup>, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>60</sup>, -OC(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, -NR<sup>60</sup>C(=O)OR<sup>61</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>, -NR<sup>60</sup>C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, and -SCF<sub>3</sub>, wherein R<sup>77</sup> at each occurrence is independently chosen from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from halogen, -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, C<sub>6-15</sub>-aryl-(R<sup>77</sup>)<sub>x</sub>, 5-15 membered heteroaryl-(R<sup>77</sup>)<sub>x</sub>, C<sub>3-10</sub> cycloalkyl-(R<sup>77</sup>)<sub>x</sub>, 3-15 membered heterocycloalkyl-(R<sup>77</sup>)<sub>x</sub>, pseudohalogen, -S(=O)<sub>n</sub>R<sup>60</sup>, -OC(=O)R<sup>60</sup>, -OP(=O)(OH)<sub>2</sub>, and -NR<sup>60</sup>C(=O)R<sup>61</sup>, wherein R<sup>77</sup> at each occurrence is independently chosen from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from halogen, -OH, -OC<sub>1-6</sub>-alkyl, -C(=O)(4-10 membered heterocycloalkyl), -C(=O)(4-10 membered heterocycloalkyl)-C<sub>1-6</sub>-alkyl, -CO<sub>2</sub>R<sup>62a</sup>, -CO<sub>2</sub>C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, -C(=O)NR<sup>62a</sup>R<sup>63a</sup>, -NR<sup>62a</sup>R<sup>63a</sup>, C<sub>1-6</sub>-alkyl, phenyl, 5-6 membered heteroaryl-(C<sub>1-6</sub>-alkyl)<sub>x</sub>, C<sub>3-6</sub> cycloalkyl, 3-10 membered heterocycloalkyl-(C<sub>1-6</sub>-alkyl)<sub>x</sub>, -C≡N, -S(=O)<sub>2</sub>C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl-NR<sup>62a</sup>R<sup>63a</sup>, -OP(=O)(OH)<sub>2</sub>, and -NHC(=O)C<sub>1-6</sub>-alkyl, wherein each R<sup>62a</sup> and R<sup>63a</sup> is independently selected from H and C<sub>1-6</sub>-alkyl, and each x is independently chosen from 0 and 1. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from halogen, -OH, -OC<sub>1-6</sub>-alkyl, -C(=O)(4-6 membered heterocycloalkyl), -C(=O)(6 membered heterocycloalkyl)-C<sub>1-6</sub>-alkyl, -CO<sub>2</sub>R<sup>62a</sup>, -CO<sub>2</sub>C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, -C(=O)NR<sup>62a</sup>R<sup>63a</sup>, -N(C<sub>1-6</sub>-alkyl)<sub>2</sub>, C<sub>1-6</sub>-alkyl, phenyl, 5 membered heteroaryl-(C<sub>1-6</sub>-alkyl)<sub>x</sub>, C<sub>3-6</sub> cycloalkyl, 5-6 membered



heterocycloalkyl-(C<sub>1-6</sub>-alkyl)<sub>x</sub>, -C≡N, -S(=O)<sub>2</sub>C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl, -OC(=O)C<sub>1-6</sub>-alkyl-NH<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, and -NHC(=O)C<sub>1-6</sub>-alkyl, wherein each R<sup>62a</sup> and R<sup>63a</sup> is independently selected from H and C<sub>1-6</sub>-alkyl, and each x is independently chosen from 0 and 1. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from

5 halogen, -NO<sub>2</sub>, -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub>-cycloalkyl, 3-15 membered heterocycloalkyl, -CN, -S(=O)<sub>n</sub>R<sup>60</sup>, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OCF<sub>3</sub>, -OC(=O)R<sup>60</sup>, -OC(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, -NR<sup>60</sup>C(=O)OR<sup>61</sup>, -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>, and -NR<sup>60</sup>C(=O)NR<sup>62</sup>R<sup>63</sup>. In another embodiment, R<sup>45</sup> at each occurrence is

10 independently chosen from halogen, -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, phenyl, 5-6 membered heteroaryl, C<sub>3-6</sub>-cycloalkyl, 5-6 membered heterocycloalkyl, -CN, -S(=O)<sub>2</sub>R<sup>60</sup>, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OCF<sub>3</sub>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, -NR<sup>60</sup>C(=O)OR<sup>61</sup>, and -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from halogen, -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>,

15 -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, 5-6 membered heteroaryl, cyclopropyl, 5-6 membered heterocycloalkyl, -CN, -S(=O)<sub>2</sub>NR<sup>62</sup>R<sup>63</sup>, -OC(=O)R<sup>60</sup>, -NR<sup>60</sup>C(=O)R<sup>61</sup>, and -NR<sup>60</sup>S(=O)<sub>2</sub>R<sup>61</sup>. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from -OR<sup>60</sup>, -C(=O)R<sup>60</sup>, -C(=O)OR<sup>60</sup>, -C(=O)NR<sup>62</sup>R<sup>63</sup>, -NR<sup>60</sup>R<sup>61</sup>, cyclopropyl, -CN, and -OC(=O)R<sup>60</sup>. In another embodiment, R<sup>45</sup> at each occurrence is

20 independently chosen from -CH<sub>3</sub>, F, -OH, -OCH<sub>3</sub>, -C≡N, -N(CH<sub>3</sub>)<sub>2</sub>, -N(CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>, cyclopropyl, phenyl, morpholinyl, pyrrolidinyl, 4-methylpiperazinyl, oxazolyl, 1-methylimidazolyl, 1,4-dioxanyl, -NHC(=O)CH<sub>3</sub>, -C(=O)N(CH<sub>3</sub>)<sub>2</sub>, -C(=O)NHCH<sub>3</sub>, -C(=O)NH<sub>2</sub>, -C(=O)-(4-morpholinyl), -C(=O)-(4-methylpiperazinyl), -C(=O)-(pyrrolidinyl), -C(=O)-(azetidiny), -CO<sub>2</sub>H, -CO<sub>2</sub>Me, -C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -

25 C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -OC(=O)CH<sub>3</sub>, -OC(=O)CH<sub>2</sub>NH<sub>2</sub>, -OC(=O)CH(NH<sub>2</sub>)CH(CH<sub>3</sub>)<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, -OC(=O)CH<sub>2</sub>CH<sub>3</sub>, and -SO<sub>2</sub>CH<sub>3</sub>. In another embodiment, R<sup>45</sup> at each occurrence is independently chosen from -CH<sub>3</sub>, F, -OH, -OCH<sub>3</sub>, -C≡N, -N(CH<sub>3</sub>)<sub>2</sub>, -N(CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>, cyclopropyl, phenyl, 4-morpholinyl, 1-pyrrolidinyl, 4-methylpiperazin-1-yl, 2-oxazolyl, 1-methylimidazol-2-yl, 1,4-dioxan-2-yl, -NHC(=O)CH<sub>3</sub>, -C(=O)N(CH<sub>3</sub>)<sub>2</sub>, -

30 C(=O)NHCH<sub>3</sub>, -C(=O)NH<sub>2</sub>, -C(=O)-(4-morpholinyl), -C(=O)-(4-methylpiperazin-1-yl), -C(=O)-(1-pyrrolidinyl), -C(=O)-(1-azetidiny), -CO<sub>2</sub>H, -CO<sub>2</sub>Me, -C(=O)OCH(CH<sub>3</sub>)<sub>2</sub>, -C(=O)O(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -OC(=O)CH<sub>3</sub>, -OC(=O)CH<sub>2</sub>NH<sub>2</sub>, -OC(=O)CH(NH<sub>2</sub>)CH(CH<sub>3</sub>)<sub>2</sub>, -OP(=O)(OH)<sub>2</sub>, -OC(=O)CH<sub>2</sub>CH<sub>3</sub>, and -SO<sub>2</sub>CH<sub>3</sub>. In another embodiment, A<sup>6</sup>, A<sup>7</sup>, A<sup>8</sup>, A<sup>9</sup>, and A<sup>10</sup> are independently chosen from a bond, -CZ<sup>4</sup>Z<sup>5</sup>-, -NZ<sup>6</sup>-, and -O-. In another



embodiment,  $A^6$  is  $-CZ^4Z^5-$ ,  $-NZ^6-$ , or  $-O-$ ,  $A^7$ ,  $A^8$ , and  $A^9$  are independently a bond or  $-CZ^1Z^2-$ , and  $A^{10}$  is a bond. In another embodiment,  $A^6$  is  $-CH_2-$ ,  $-NZ^6-$ , or  $-O-$ ,  $A^7$ ,  $A^8$ , and  $A^9$  are independently a bond or  $-CH_2-$ , and  $A^{10}$  is a bond. In another embodiment,  $-A^6-A^7-A^8-A^9-A^{10}-$  is a group of formula  $-NZ^6-CZ^4Z^5-CZ^4Z^5-$ ,  $-CZ^4Z^5-CZ^4Z^5-NZ^6-$ ,  $-CZ^4Z^5-$ ,  $-CZ^4Z^5-CZ^4Z^5-$ ,  $-CZ^4Z^5-CZ^4Z^5-CZ^4Z^5-$ ,  $-CZ^4Z^5-CZ^4Z^5-CZ^4Z^5-CZ^4Z^5-$ ,  $-O-$ , or  $-NZ^6-$ . In another embodiment,  $-A^6-A^7-A^8-A^9-A^{10}-$  is a group of formula  $-CZ^4Z^5-CZ^4Z^5-CZ^4Z^5-CZ^4Z^5-$ ,  $-CZ^4Z^5-CZ^4Z^5-CZ^4Z^5-$ ,  $-CZ^4Z^5-CZ^4Z^5-$ ,  $-CZ^4Z^5-$ ,  $-O-$ , or  $-NZ^6-$ . In another embodiment,  $-A^6-A^7-A^8-A^9-A^{10}-$  is a group of formula  $=N-CH=CH-$ ,  $-CH=CH-CH=$ ,  $-CH=CH-N=$ ,  $-C(CH_3)=CH-N=$ ,  $-CH_2-$ ,  $-CH_2CH_2-$ ,  $-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-CH_2-$ ,  $-O-$ , or  $-NZ^6-$ , wherein  $Z^6$  is chosen from H,  $-CH_2CH_3$ ,  $-CH(CH_3)_2$ ,  $-CH(CH_3)CH_2CH_3$ ,  $-CH_2C(CH_3)_3$ ,  $-CH_2$ -cyclopropyl,  $-CH_2CH_2OCH_3$ ,  $-C(=O)$ -cyclopropyl,  $-C(=O)OCH_2CH_3$ ,  $-CH_2C\equiv CH$ , and  $-S(=O)_2CH_3$ . In another embodiment,  $-A^6-A^7-A^8-A^9-A^{10}-$  is a group of formula  $-CH_2-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-CH_2-$ ,  $-CH_2-CH_2-$ ,  $-CH_2-$ ,  $-O-$ , or  $-NZ^6-$ .

15 In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any of  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from H, halogen,  $-NO_2$ ,  $-OR^{50}$ ,  $-C(=O)R^{50}$ ,  $-C(=O)OR^{50}$ ,  $-C(=O)NR^{52}R^{53}$ ,  $-NR^{50}R^{51}$ ,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkyl- $R^{50}$ ,  $-C_{1-6}$ -alkyl- $OR^{50}$ ,  $-C_{1-6}$ -alkyl- $C(=O)OR^{50}$ ,  $-C_{1-6}$ -alkyl- $NR^{52}R^{53}$ ,  $-C_{1-6}$ -alkyl-CN,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-S(=O)_nR^{50}$ ,  $-S(=O)_2NR^{52}R^{53}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{50}$ ,  $-OC(=O)NR^{52}R^{53}$ ,  $-NR^{50}C(=O)R^{51}$ ,  $-NR^{50}C(=O)OR^{51}$ ,  $-NR^{50}S(=O)_2R^{51}$ ,  $-NR^{50}C(=O)NR^{52}R^{53}$ ,  $-NR^{50}S(=O)_2NR^{52}R^{53}$ , and  $-SCF_3$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any of  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from H, halogen,  $-NO_2$ ,  $-OR^{50}$ ,  $-C(=O)R^{50}$ ,  $-C(=O)OR^{50}$ ,  $-C(=O)NR^{52}R^{53}$ ,  $-NR^{50}R^{51}$ ,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkyl- $R^{50}$ ,  $-C_{1-6}$ -alkyl- $OR^{50}$ ,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-S(=O)_nR^{50}$ ,  $-S(=O)_2NR^{52}R^{53}$ ,  $-NHOH$ ,  $-OC(=O)R^{50}$ ,  $-$

$\text{OC(=O)NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{C(=O)R}^{51}$ ,  $-\text{NR}^{50}\text{C(=O)OR}^{51}$ ,  $-\text{NR}^{50}\text{S(=O)}_2\text{R}^{51}$ , and  $-\text{NR}^{50}\text{C(=O)NR}^{52}\text{R}^{53}$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any of  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{50}$ ,  $-\text{C(=O)R}^{50}$ ,  $-\text{C(=O)OR}^{50}$ ,  $-\text{C(=O)NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{R}^{51}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{R}^{50}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{50}$ ,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S(=O)}_n\text{R}^{50}$ ,  $-\text{S(=O)}_2\text{NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{C(=O)R}^{51}$ ,  $-\text{NR}^{50}\text{C(=O)OR}^{51}$ , and  $-\text{NR}^{50}\text{S(=O)}_2\text{R}^{51}$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from H,  $-\text{C(=O)R}^{50}$ ,  $-\text{C(=O)OR}^{50}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{R}^{50}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{50}$ ,  $\text{C}_{2-6}$ -alkynyl, and  $-\text{S(=O)}_n\text{R}^{50}$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms,
- (ii) any  $Z^4$  and  $Z^5$  may be independently chosen from H and  $\text{C}_{1-6}$ -alkyl, and
- (iii) any  $Z^6$  may be independently chosen from H,  $-\text{C(=O)R}^{50}$ ,  $-\text{C(=O)OR}^{50}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{R}^{50}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{50}$ ,  $\text{C}_{2-6}$ -alkynyl, and  $-\text{S(=O)}_n\text{R}^{50}$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from H,  $-\text{C(=O)}-(\text{C}_{3-6}$ -cycloalkyl),  $-\text{C(=O)OC}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $(\text{C}_{3-6}$ -cycloalkyl),  $-\text{C}_{1-6}$ -alkyl- $\text{O}-\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkynyl, and  $-\text{S(=O)}_2\text{C}_{1-6}$ -alkyl.

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms,
- (ii) any  $Z^4$  and  $Z^5$  may be independently chosen from H and  $\text{C}_{1-6}$ -alkyl, and



- (iii) any  $Z^6$  may be independently chosen from H,  $-C(=O)-(C_{3-6}\text{-cycloalkyl})$ ,  $-C(=O)OC_{1-6}\text{-alkyl}$ ,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl}-(C_{3-6}\text{-cycloalkyl})$ ,  $-C_{1-6}\text{-alkyl-O-}C_{1-6}\text{-alkyl}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2C_{1-6}\text{-alkyl}$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- 5 (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently chosen from H,  $-CH_2CH_3$ ,  $-CH(CH_3)_2$ ,  $-CH(CH_3)CH_2CH_3$ ,  $-CH_2C(CH_3)_3$ ,  $-CH_2\text{-cyclopropyl}$ ,  $-CH_2CH_2OCH_3$ ,  $-C(=O)\text{cyclopropyl}$ ,  $-C(=O)OCH_2CH_3$ ,  $-CH_2C\equiv CH$ , and  $-S(=O)_2CH_3$ .
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In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are defined as follows:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms,
- (ii) any  $Z^4$  and  $Z^5$  may be independently chosen from H and  $-CH_3$ , and
- 15 (iii) any  $Z^6$  may be independently chosen from H,  $-CH_2CH_3$ ,  $-CH(CH_3)_2$ ,  $-CH(CH_3)CH_2CH_3$ ,  $-CH_2C(CH_3)_3$ ,  $-CH_2\text{-cyclopropyl}$ ,  $-CH_2CH_2OCH_3$ ,  $-C(=O)\text{cyclopropyl}$ ,  $-C(=O)OCH_2CH_3$ ,  $-CH_2C\equiv CH$ , and  $-S(=O)_2CH_3$ .

In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are independently chosen from H,  $-C(=O)R^{50}$ ,  $-C(=O)OR^{50}$ ,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl-}R^{50}$ ,  $-C_{1-6}\text{-alkyl-OR}^{50}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2R^{50}$ . In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are independently chosen from H,  $-C(=O)C_{3-6}\text{-cycloalkyl}$ ,  $-C(=O)O-C_{1-6}\text{-alkyl}$ ,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl-}C_{3-6}\text{-cycloalkyl}$ ,  $-C_{1-6}\text{-alkyl-O-}C_{1-6}\text{-alkyl}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2-C_{1-6}\text{-alkyl}$ . In another embodiment,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are independently chosen from H,  $-C(=O)\text{cyclopropyl}$ ,  $-CO_2CH_2CH_3$ , ethyl, isopropyl, *sec*-butyl,  $-CH_2C(CH_3)_3$ ,  $-CH_2\text{-cyclopropyl}$ ,  $-CH_2CH_2OCH_3$ ,  $-CH_2C\equiv CH$ , and  $-S(=O)_2CH_3$ . In another embodiment,  $Z^4$  and  $Z^5$  are H, and  $Z^6$  is chosen from H,  $-C(=O)R^{50}$ ,  $-C(=O)OR^{50}$ ,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl-}R^{50}$ ,  $-C_{1-6}\text{-alkyl-OR}^{50}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2R^{50}$ . In another embodiment,  $Z^4$  and  $Z^5$  are H, and  $Z^6$  is chosen from H,  $-C(=O)C_{3-6}\text{-cycloalkyl}$ ,  $-C(=O)O-C_{1-6}\text{-alkyl}$ ,  $C_{1-6}\text{-alkyl}$ ,  $-C_{1-6}\text{-alkyl-}C_{3-6}\text{-cycloalkyl}$ ,  $-C_{1-6}\text{-alkyl-O-}C_{1-6}\text{-alkyl}$ ,  $C_{2-6}\text{-alkynyl}$ , and  $-S(=O)_2-C_{1-6}\text{-alkyl}$ . In another embodiment,  $Z^4$  and  $Z^5$  are H, and  $Z^6$  is chosen from H,  $-C(=O)\text{cyclopropyl}$ ,  $-CO_2CH_2CH_3$ , ethyl, isopropyl, *sec*-butyl,  $-CH_2C(CH_3)_3$ ,  $-CH_2\text{-cyclopropyl}$ ,  $-CH_2CH_2OCH_3$ ,  $-CH_2C\equiv CH$ , and  $-S(=O)_2CH_3$ .

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In another embodiment,  $A^6$ ,  $A^7$ ,  $A^8$ ,  $A^9$ , and  $A^{10}$  are defined as in any of the above embodiments, except that at least one of  $A^6$ ,  $A^7$ ,  $A^8$ ,  $A^9$ , and  $A^{10}$  is not a bond.



In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from  $C_{1-6}$ -alkyl and  $C_{3-10}$  cycloalkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from  $C_{1-6}$ -alkyl and  $C_{3-6}$  cycloalkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from  $C_{1-6}$ -alkyl and cyclopropyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $C_{1-6}$ -alkyl or  $-OH$ . In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl, and  $C_{1-6}$ -fluoroalkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl, 5-15 membered heteroaryl,  $C_{1-6}$ -haloalkyl, 3-15 membered heterocycloalkyl- $C_{1-6}$ -alkyl, and 3-15 membered heterocycloalkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl, 5-10 membered heteroaryl,  $C_{1-6}$ -haloalkyl, 5-10 membered heterocycloalkyl- $C_{1-6}$ -alkyl, and 5-10 membered heterocycloalkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from H and  $C_{1-6}$ -alkyl. In another embodiment,  $R^{50}$  and  $R^{51}$  at each occurrence are independently chosen from  $-CH_3$ ,  $-CH_2CH_3$ , and cyclopropyl.

In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-OH$ ; or  $R^{52}$  and  $R^{53}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from  $C_{1-6}$ -alkyl. In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $C_{3-10}$



cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-OH$ ; or  $R^{52}$  and  $R^{53}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from  $C_{1-6}$ -alkyl. In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl; or  $R^{52}$  and  $R^{53}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl optionally substituted by  $-OH$ ,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $-OH$ . In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl, and  $C_{3-8}$ -cycloalkyl. In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H and  $C_{1-6}$ -alkyl. In another embodiment,  $R^{52}$  and  $R^{53}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl, and cyclopropyl.

In another embodiment,  $R^{55}$  at each occurrence are independently chosen from halogen,  $-NO_2$ ,  $-OR^{60}$ ,  $=O$ ,  $-C(=O)R^{60}$ ,  $-C(=O)OR^{60}$ ,  $-C(=O)NR^{62}R^{63}$ ,  $-NR^{60}R^{61}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $O$ - $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl- $(R^{77})_x$ , 5-15 membered heteroaryl- $(R^{77})_x$ ,  $C_{3-10}$  cycloalkyl- $(R^{77})_x$ , 3-15 membered heterocycloalkyl- $(R^{77})_x$ , pseudohalogen,  $-S(=O)_nR^{60}$ ,  $-S(=O)_2NR^{62}R^{63}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{60}$ ,  $-OC(=O)NR^{62}R^{63}$ ,  $-OP(=O)(OH)_2$ ,  $-NR^{60}C(=O)R^{61}$ ,  $-NR^{60}C(=O)OR^{61}$ ,  $-NR^{60}S(=O)_2R^{61}$ ,  $-NR^{60}C(=O)NR^{62}R^{63}$ ,  $-NR^{60}S(=O)_2NR^{62}R^{63}$ , and  $-SCF_3$ , wherein  $R^{77}$  at each occurrence is independently chosen from  $C_{1-6}$ -alkyl. In another embodiment,  $R^{55}$  at each occurrence is independently chosen from halogen,  $-NO_2$ ,  $-OR^{60}$ ,  $-C(=O)R^{60}$ ,  $-C(=O)OR^{60}$ ,  $-C(=O)NR^{62}R^{63}$ ,  $-NR^{60}R^{61}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $O$ - $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$ -cycloalkyl, 3-15 membered heterocycloalkyl,  $-CN$ ,  $-S(=O)_nR^{60}$ ,  $-S(=O)_2NR^{62}R^{63}$ ,  $-OCF_3$ ,  $-OC(=O)R^{60}$ ,  $-OC(=O)NR^{62}R^{63}$ ,  $-NR^{60}C(=O)R^{61}$ ,  $-NR^{60}C(=O)OR^{61}$ ,  $-NR^{60}S(=O)_2R^{61}$ , and  $-NR^{60}C(=O)NR^{62}R^{63}$ . In another embodiment,  $R^{55}$  at each occurrence is independently chosen from halogen,  $-OR^{60}$ ,  $-C(=O)R^{60}$ ,  $-C(=O)NR^{62}R^{63}$ ,  $-NR^{60}R^{61}$ ,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl, phenyl, 5-6 membered heteroaryl,  $C_{3-6}$ -cycloalkyl, 5-6 membered heterocycloalkyl,  $-CN$ ,  $-S(=O)_2R^{60}$ ,  $-S(=O)_2NR^{62}R^{63}$ ,  $-OCF_3$ ,  $-NR^{60}C(=O)R^{61}$ ,  $-NR^{60}C(=O)OR^{61}$ , and  $-NR^{60}S(=O)_2R^{61}$ . In another embodiment,  $R^{55}$  at each occurrence is



independently chosen from halogen,  $-\text{OR}^{60}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl, and cyclopropyl. In another embodiment,  $\text{R}^{55}$  at each occurrence is independently chosen from  $-\text{OR}^{60}$  and cyclopropyl.

In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $\text{C}_{1-6}$ -alkyl, halogen, and  $-\text{OH}$ . In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl, and 3-15 membered heterocycloalkyl, in which said  $\text{C}_{1-6}$ -alkyl and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $\text{C}_{1-6}$ -alkyl,  $-\text{N}(\text{R}^{76})_2$ , and  $-\text{OR}^{76}$ . In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl, and 4-6 membered heterocycloalkyl, in which said  $\text{C}_{1-6}$ -alkyl and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $\text{C}_{1-6}$ -alkyl,  $-\text{NH}_2$ ,  $-\text{OH}$ , and  $-\text{OC}_{1-6}$ -alkyl. In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl-OH,  $\text{C}_{1-6}$ -alkyl-O- $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl-NH<sub>2</sub>, 4-6 membered heterocycloalkyl, and 4-6 membered heterocycloalkyl- $\text{C}_{1-6}$ -alkyl. In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl or  $-\text{OH}$ . In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl or  $-\text{OH}$ . In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl or  $-\text{OH}$ . In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by  $\text{C}_{1-6}$ -alkyl or  $-\text{OH}$ . In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are independently chosen from H,  $\text{C}_{1-6}$ -alkyl optionally substituted by  $-\text{OH}$ ,  $\text{C}_{1-6}$ -haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment,  $\text{R}^{60}$  and  $\text{R}^{61}$  at each occurrence are



independently chosen from H, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-fluoroalkyl. In another embodiment, R<sup>60</sup> and R<sup>61</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, 5-15 membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 3-15 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 3-15 membered heterocycloalkyl. In another embodiment, R<sup>60</sup> and R<sup>61</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, 5-10 membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 5-10 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 5-10 membered heterocycloalkyl. In another embodiment, R<sup>60</sup> and R<sup>61</sup> at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>60</sup> and R<sup>61</sup> at each occurrence are independently chosen from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>OH, 4-morpholinyl, 4-methylpiperazin-1-yl, 1-pyrrolidinyl, 1-azetidiny, -CH(CH<sub>3</sub>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>, -CH<sub>2</sub>NH<sub>2</sub>, and -CH(NH<sub>2</sub>)CH(CH<sub>3</sub>)<sub>2</sub>.

In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl, in which said C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from C<sub>1-6</sub>-alkyl, halogen, and -OH; or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally substituted by one or more substituents independently chosen from C<sub>1-6</sub>-alkyl, halogen, and -OH. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted



by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl; or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered

5 heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by –OH. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, and C<sub>3-8</sub>-cycloalkyl. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H and –CH<sub>3</sub>. In another embodiment, R<sup>62</sup> and R<sup>63</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, and cyclopropyl.

15 In another embodiment, R<sup>10</sup>, R<sup>11</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>30</sup>, R<sup>31</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>60</sup>, and R<sup>61</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or –OH. In another embodiment, R<sup>10</sup>, R<sup>11</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>30</sup>, R<sup>31</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>60</sup>, and R<sup>61</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or –OH. In another embodiment, R<sup>10</sup>, R<sup>11</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>30</sup>, R<sup>31</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>60</sup>, and R<sup>61</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by C<sub>1-6</sub>-alkyl or –OH. In another embodiment, R<sup>10</sup>, R<sup>11</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>30</sup>, R<sup>31</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>60</sup>, and R<sup>61</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment, R<sup>10</sup>, R<sup>11</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>30</sup>, R<sup>31</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>60</sup>, and R<sup>61</sup> at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl.

30 In another embodiment, R<sup>12</sup>, R<sup>13</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>32</sup>, R<sup>33</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>62</sup>, and R<sup>63</sup>, at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by –OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by –OH; or R<sup>12</sup> and R<sup>13</sup>, R<sup>22</sup> and R<sup>23</sup>, R<sup>32</sup> and R<sup>33</sup>, R<sup>42</sup> and R<sup>43</sup>, R<sup>52</sup> and R<sup>53</sup>, or R<sup>62</sup> and R<sup>63</sup> may form, together with the



nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>12</sup>, R<sup>13</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>32</sup>, R<sup>33</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>62</sup>, and R<sup>63</sup>, at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; or R<sup>12</sup> and R<sup>13</sup>, R<sup>22</sup> and R<sup>23</sup>, R<sup>32</sup> and R<sup>33</sup>, R<sup>42</sup> and R<sup>43</sup>, R<sup>52</sup> and R<sup>53</sup>, or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which the heterocycloalkyl group or 5-15 membered heteroaryl group may optionally be substituted by one or more members selected from C<sub>1-6</sub>-alkyl. In another embodiment, R<sup>12</sup>, R<sup>13</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>32</sup>, R<sup>33</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>62</sup>, and R<sup>63</sup>, at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl; or R<sup>12</sup> and R<sup>13</sup>, R<sup>22</sup> and R<sup>23</sup>, R<sup>32</sup> and R<sup>33</sup>, R<sup>42</sup> and R<sup>43</sup>, R<sup>52</sup> and R<sup>53</sup>, or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group. In another embodiment, R<sup>12</sup>, R<sup>13</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>32</sup>, R<sup>33</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>62</sup>, and R<sup>63</sup>, at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>1-6</sub>-haloalkyl, and 3-15 membered heterocycloalkyl. In another embodiment, R<sup>12</sup>, R<sup>13</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>32</sup>, R<sup>33</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>62</sup>, and R<sup>63</sup>, at each occurrence are independently chosen from H and C<sub>1-6</sub>-alkyl.

In another embodiment, n at each occurrence is independently chosen from 0 and 2. In another embodiment, n is 2.

In another embodiment, x at each occurrence is independently chosen from 0, 1, 2, 3, and 4. In another embodiment, x at each occurrence is independently chosen from 0, 1, 2, and 3. In another embodiment, x at each occurrence is independently chosen from 0, 1, and 2. In another embodiment, x at each occurrence is independently chosen from 0 and 1. In another embodiment, x is 0. In another embodiment, x is 1.

According to the present invention, any combination of the above-recited embodiments may be combined to define the variables R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>25</sup>, R<sup>30</sup>, R<sup>31</sup>, R<sup>32</sup>, R<sup>33</sup>, R<sup>35</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>45</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>55</sup>, R<sup>60</sup>, R<sup>61</sup>, R<sup>62</sup>, R<sup>63</sup>, A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, A<sup>4</sup>, A<sup>5</sup>, A<sup>6</sup>, A<sup>7</sup>, A<sup>8</sup>, A<sup>9</sup>, A<sup>10</sup>, Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>3</sup>, Z<sup>4</sup>, Z<sup>5</sup>, Z<sup>6</sup>, n and x in the compound of formula I or II. Therefore, the present invention provides a compound of formula I or II and pharmaceutically acceptable salts thereof in which R<sup>1</sup>,



$R^2, R^3, R^4, R^5, R^6, R^{10}, R^{11}, R^{12}, R^{13}, R^{20}, R^{21}, R^{22}, R^{23}, R^{25}, R^{30}, R^{31}, R^{32}, R^{33}, R^{35}, R^{40}, R^{41}, R^{42}, R^{43}, R^{45}, R^{50}, R^{51}, R^{52}, R^{53}, R^{55}, R^{60}, R^{61}, R^{62}, R^{63}, A^1, A^2, A^3, A^4, A^5, A^6, A^7, A^8, A^9, A^{10}, Z^1, Z^2, Z^3, Z^4, Z^5, Z^6$ , n and x are independently selected from any of the above-

recited embodiments. In other words, the present invention includes a compound of

5 formula I or II and pharmaceutically acceptable salts thereof in which  $R^1, R^2, R^3, R^4, R^5, R^6, R^{10}, R^{11}, R^{12}, R^{13}, R^{20}, R^{21}, R^{22}, R^{23}, R^{25}, R^{30}, R^{31}, R^{32}, R^{33}, R^{35}, R^{40}, R^{41}, R^{42}, R^{43}, R^{45}, R^{50}, R^{51}, R^{52}, R^{53}, R^{55}, R^{60}, R^{61}, R^{62}, R^{63}, A^1, A^2, A^3, A^4, A^5, A^6, A^7, A^8, A^9, A^{10}, Z^1, Z^2, Z^3, Z^4, Z^5, Z^6$ , n and x are defined by any combination of the broader and narrower

definitions of these variables as recited in any of the above embodiments. For example,

10 included within the scope of the present invention are compounds of formula I or II and pharmaceutically acceptable salts thereof in which

$R^1$  is H, halogen,  $-NO_2$ ,  $-OR^{10}$ ,  $-C(=O)R^{10}$ ,  $-C(=O)OR^{10}$ ,  $-C(=O)NR^{12}R^{13}$ ,  $-NR^{10}R^{11}$ ,  $C_{1-6}$ -alkyl,  $-C_{1-6}$ -alkyl- $OR^{10}$ ,  $-C_{1-6}$ -alkyl- $NR^{12}R^{13}$ ,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-S(=O)_nR^{10}$ ,  $-S(=O)_2NR^{12}R^{13}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{10}$ ,  $-OC(=O)NR^{12}R^{13}$ ,  $-NR^{10}C(=O)R^{11}$ ,  $-NR^{10}C(=O)OR^{11}$ ,  $-NR^{10}S(=O)_2R^{11}$ ,  $-NR^{10}C(=O)NR^{12}R^{13}$ ,  $-NR^{10}S(=O)_2NR^{12}R^{13}$ , or  $-SCF_3$ ;

$R^2$  is a group chosen from  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl,  $C_{3-10}$ -cycloalkyl, 3-15 membered heterocycloalkyl, and 5-15 membered heteroaryl,

wherein the  $R^2$  group is optionally substituted by one or more members

independently chosen from halogen,  $-NO_2$ ,  $-OR^{20}$ ,  $-C(=O)R^{20}$ ,  $-C(=O)OR^{20}$ ,  $-C(=O)NR^{22}R^{23}$ ,  $-NR^{20}R^{21}$ ,  $C_{1-6}$ -alkyl- $(R^{25})_x$ ,  $C_{6-15}$ -aryl- $(R^{25})_x$ , 5-15 membered heteroaryl- $(R^{25})_x$ ,  $C_{3-10}$  cycloalkyl- $(R^{25})_x$ , 3-15 membered heterocycloalkyl- $(R^{25})_x$ , pseudohalogen,  $-S(=O)_nR^{20}$ ,  $-S(=O)_2NR^{22}R^{23}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{20}$ ,  $-OC(=O)NR^{22}R^{23}$ ,  $-NR^{20}C(=O)R^{21}$ ,  $-NR^{20}C(=O)OR^{21}$ ,  $-NR^{20}S(=O)_2R^{21}$ ,  $-NR^{20}C(=O)NR^{22}R^{23}$ ,  $-NR^{20}S(=O)_2NR^{22}R^{23}$ , and  $-SCF_3$ ;

$R^3, R^4$ , and  $R^5$  are independently chosen from H, halogen,  $-NO_2$ ,  $-OR^{30}$ ,  $-$

$C(=O)R^{30}$ ,  $-C(=O)OR^{30}$ ,  $-C(=O)NR^{32}R^{33}$ ,  $-NR^{30}R^{31}$ ,  $C_{1-6}$ -alkyl- $(R^{35})_x$ ,  $C_{6-15}$ -aryl- $(R^{35})_x$ , 5-15 membered heteroaryl- $(R^{35})_x$ ,  $C_{3-10}$  cycloalkyl- $(R^{35})_x$ , 3-15 membered heterocycloalkyl- $(R^{35})_x$ , pseudohalogen,  $-S(=O)_nR^{30}$ ,  $-S(=O)_2NR^{32}R^{33}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{30}$ ,  $-$



$\text{OC(=O)NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{C(=O)R}^{31}$ ,  $-\text{NR}^{30}\text{C(=O)OR}^{31}$ ,  $-\text{NR}^{30}\text{S(=O)}_2\text{R}^{31}$ ,  $-\text{NR}^{30}\text{C(=O)NR}^{32}\text{R}^{33}$ ,  $-\text{NR}^{30}\text{S(=O)}_2\text{NR}^{32}\text{R}^{33}$ , and  $-\text{SCF}_3$ ;

$\text{A}^1$ ,  $\text{A}^2$ ,  $\text{A}^3$ ,  $\text{A}^4$ , and  $\text{A}^5$  are each independently  $-\text{CZ}^1\text{Z}^2-$ ,  $-\text{C(=O)-}$ ,  $-\text{NZ}^3-$ ,  $-\text{S-}$ ,  $-\text{S(=O)-}$ ,  $-\text{S(=O)}_2-$ , or  $-\text{O-}$ , wherein:

- 5 (a) when any two of  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  are located on adjacent atoms, they may form a bond between the atoms,
- (b) any of  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  may be independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{40}$ ,  $-\text{C(=O)R}^{40}$ ,  $-\text{C(=O)OR}^{40}$ ,  $-\text{C(=O)NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{45})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{45})_x$ , 5-15 membered heteroaryl- $(\text{R}^{45})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{45})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{45})_x$ , pseudohalogen,  $-\text{S(=O)}_n\text{R}^{40}$ ,  $-\text{S(=O)}_2\text{NR}^{42}\text{R}^{43}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC(=O)R}^{40}$ ,  $-\text{OC(=O)NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{C(=O)R}^{41}$ ,  $-\text{NR}^{40}\text{C(=O)OR}^{41}$ ,  $-\text{NR}^{40}\text{S(=O)}_2\text{R}^{41}$ ,  $-\text{NR}^{40}\text{C(=O)NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{S(=O)}_2\text{NR}^{42}\text{R}^{43}$ , and  $-\text{SCF}_3$ , and
- 10 (c) any two of  $\text{Z}^1$ ,  $\text{Z}^2$ , and  $\text{Z}^3$  may together form a group of formula  $-\text{A}^6\text{-A}^7\text{-A}^8\text{-A}^9\text{-A}^{10}-$ ,

wherein  $\text{A}^6$ ,  $\text{A}^7$ ,  $\text{A}^8$ ,  $\text{A}^9$ , and  $\text{A}^{10}$  are independently chosen from a bond,  $-\text{CZ}^4\text{Z}^5-$ ,  $-\text{C(=O)-}$ ,  $-\text{NZ}^6-$ ,  $-\text{S-}$ ,  $-\text{S(=O)-}$ ,  $-\text{S(=O)}_2-$ , or  $-\text{O-}$ , wherein:

- 20 (i) when any two of  $\text{Z}^1$ ,  $\text{Z}^2$ ,  $\text{Z}^3$ ,  $\text{Z}^4$ ,  $\text{Z}^5$ , and  $\text{Z}^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any of  $\text{Z}^4$ ,  $\text{Z}^5$ , and  $\text{Z}^6$  may be independently chosen from H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{50}$ ,  $-\text{C(=O)R}^{50}$ ,  $-\text{C(=O)OR}^{50}$ ,  $-\text{C(=O)NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{R}^{51}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{55})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{55})_x$ , 5-15 membered heteroaryl- $(\text{R}^{55})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{55})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{55})_x$ , pseudohalogen,  $-\text{S(=O)}_n\text{R}^{50}$ ,  $-\text{S(=O)}_2\text{NR}^{52}\text{R}^{53}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC(=O)R}^{50}$ ,  $-\text{OC(=O)NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{C(=O)R}^{51}$ ,  $-\text{NR}^{50}\text{C(=O)OR}^{51}$ ,  $-\text{NR}^{50}\text{S(=O)}_2\text{R}^{51}$ ,  $-\text{NR}^{50}\text{C(=O)NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{S(=O)}_2\text{NR}^{52}\text{R}^{53}$ , and  $-\text{SCF}_3$ ;
- 25
- 30

$\text{R}^{25}$ ,  $\text{R}^{35}$ ,  $\text{R}^{45}$ , and  $\text{R}^{55}$  at each occurrence are independently chosen from halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{60}$ ,  $-\text{C(=O)R}^{60}$ ,  $-\text{C(=O)OR}^{60}$ ,  $-\text{C(=O)NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,

$-C_{1-6}$ -alkyl- $O$ - $C_{1-6}$ -alkyl,  $C_{1-6}$ -haloalkyl,  $C_{2-6}$ -alkenyl,  $C_{2-6}$ -alkynyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-S(=O)_nR^{60}$ ,  $-S(=O)_2NR^{62}R^{63}$ ,  $-OCH_2F$ ,  $-OCHF_2$ ,  $-OCF_3$ ,  $-NHOH$ ,  $-OC(=O)R^{60}$ ,  $-OC(=O)NR^{62}R^{63}$ ,  $-NR^{60}C(=O)R^{61}$ ,  $-NR^{60}C(=O)OR^{61}$ ,  $-NR^{60}S(=O)_2R^{61}$ ,  $-NR^{60}C(=O)NR^{62}R^{63}$ ,  $-NR^{60}S(=O)_2NR^{62}R^{63}$ , and  $-SCF_3$ ;

$R^{10}$ ,  $R^{11}$ ,  $R^{20}$ ,  $R^{21}$ ,  $R^{30}$ ,  $R^{31}$ ,  $R^{40}$ ,  $R^{41}$ ,  $R^{50}$ ,  $R^{51}$ ,  $R^{60}$ , and  $R^{61}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ ;

$R^{12}$ ,  $R^{13}$ ,  $R^{22}$ ,  $R^{23}$ ,  $R^{32}$ ,  $R^{33}$ ,  $R^{42}$ ,  $R^{43}$ ,  $R^{52}$ ,  $R^{53}$ ,  $R^{62}$ , and  $R^{63}$  at each occurrence are independently chosen from H,  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl, in which said  $C_{1-6}$ -alkyl,  $C_{2-6}$ -alkynyl,  $C_{1-6}$ -haloalkyl,  $C_{6-15}$ -aryl, 5-15 membered heteroaryl,  $C_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ ;

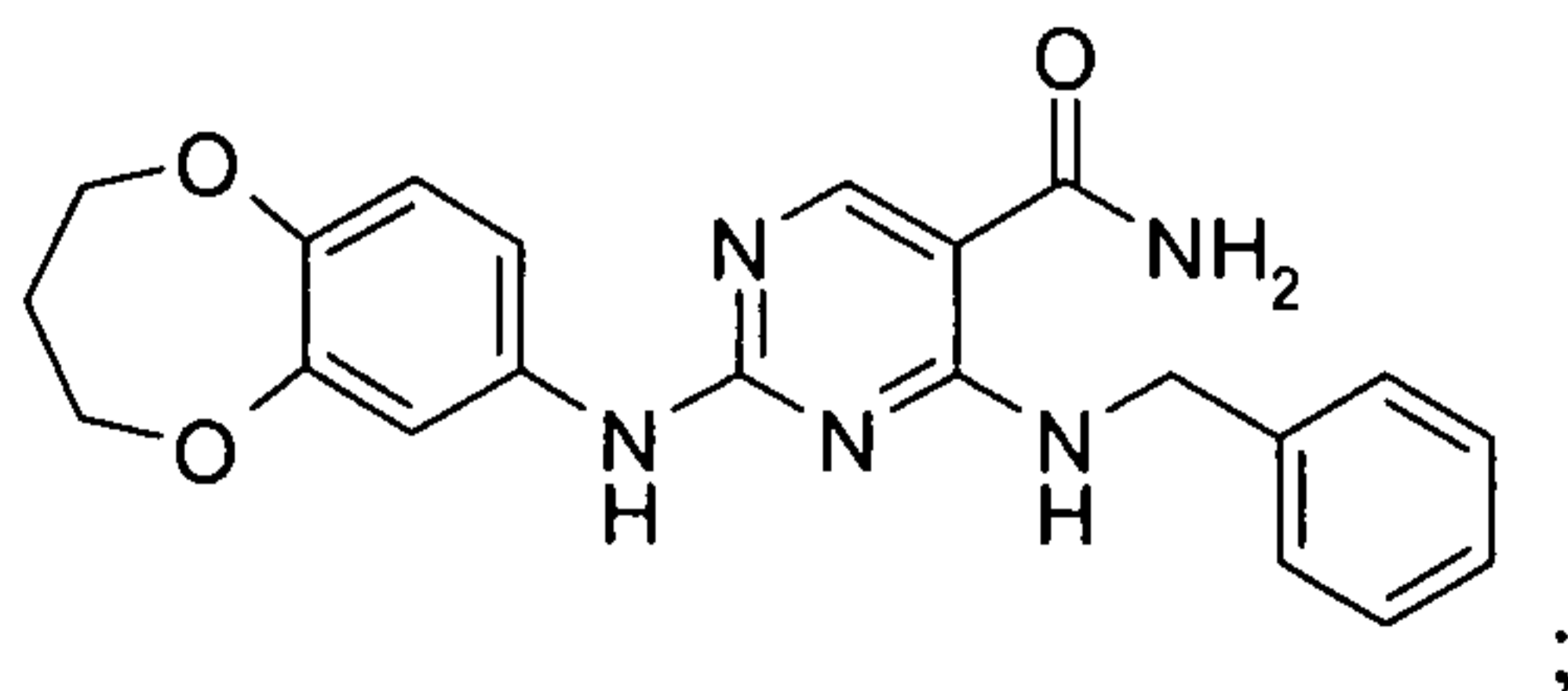
or  $R^{12}$  and  $R^{13}$ ,  $R^{22}$  and  $R^{23}$ ,  $R^{32}$  and  $R^{33}$ ,  $R^{42}$  and  $R^{43}$ ,  $R^{52}$  and  $R^{53}$ , or  $R^{62}$  and  $R^{63}$  may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally substituted by one or more substituents independently chosen from  $C_{1-6}$ -alkyl, halogen, and  $-OH$ ;

$n$  at each occurrence is independently chosen from 0, 1, and 2; and

$x$  at each occurrence is independently chosen from 0, 1, 2, 3, 4, 5, and 6;

with the proviso that the compound is not:

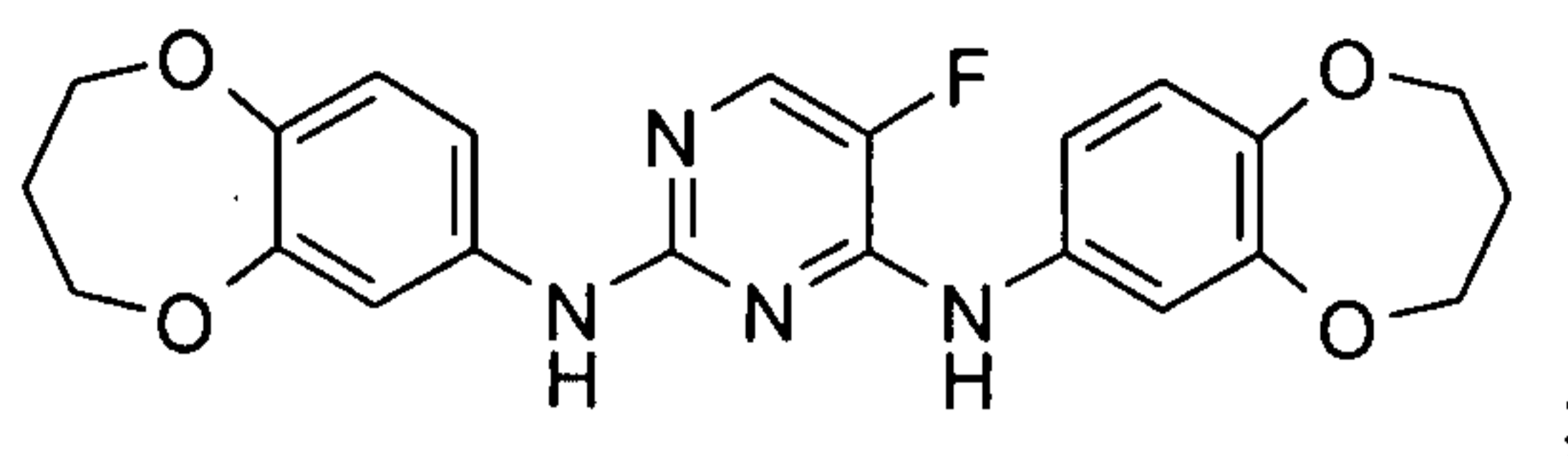
(a)



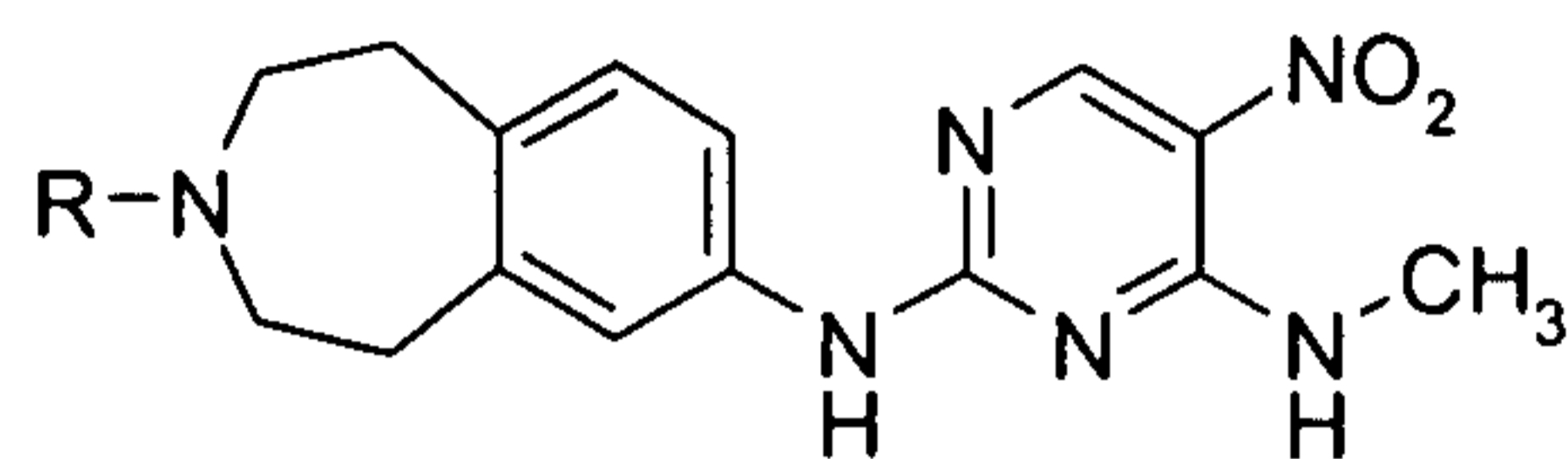
30



(b)



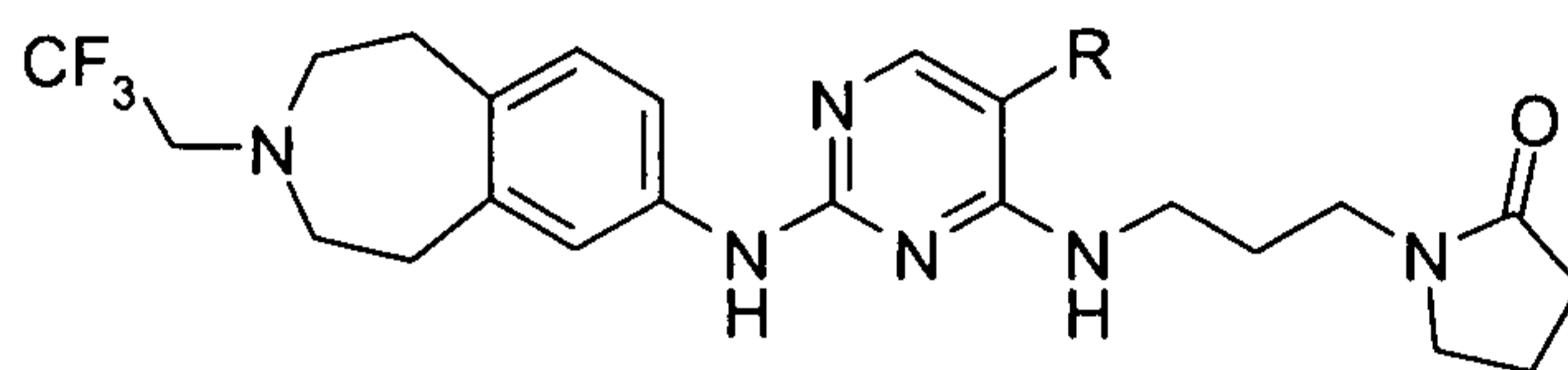
(c)



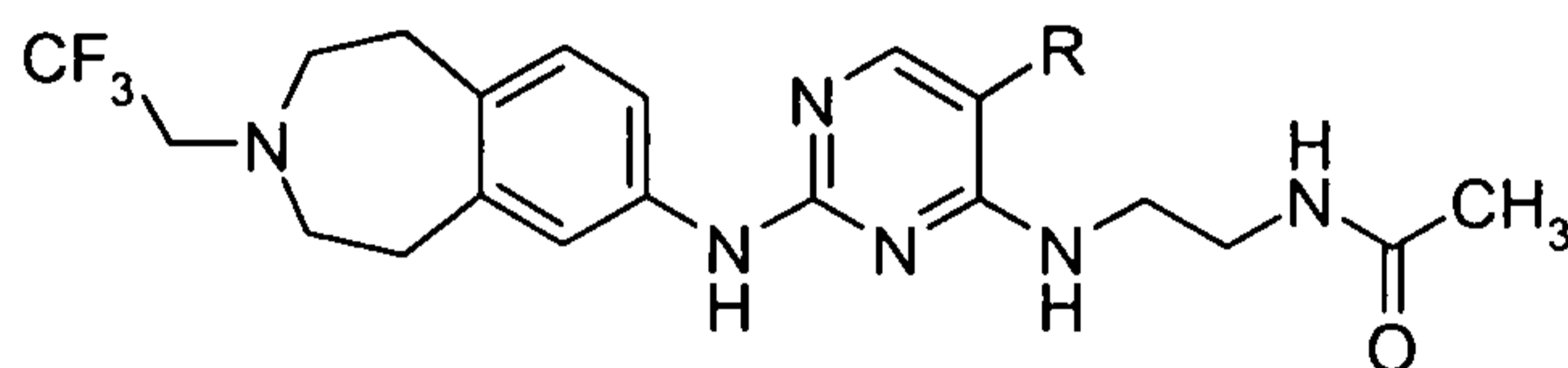
5

wherein R = H or  $-\text{C}(=\text{O})\text{CF}_3$ ;

(d)

wherein R = Br, Cl, CH<sub>3</sub>, or CF<sub>3</sub>;

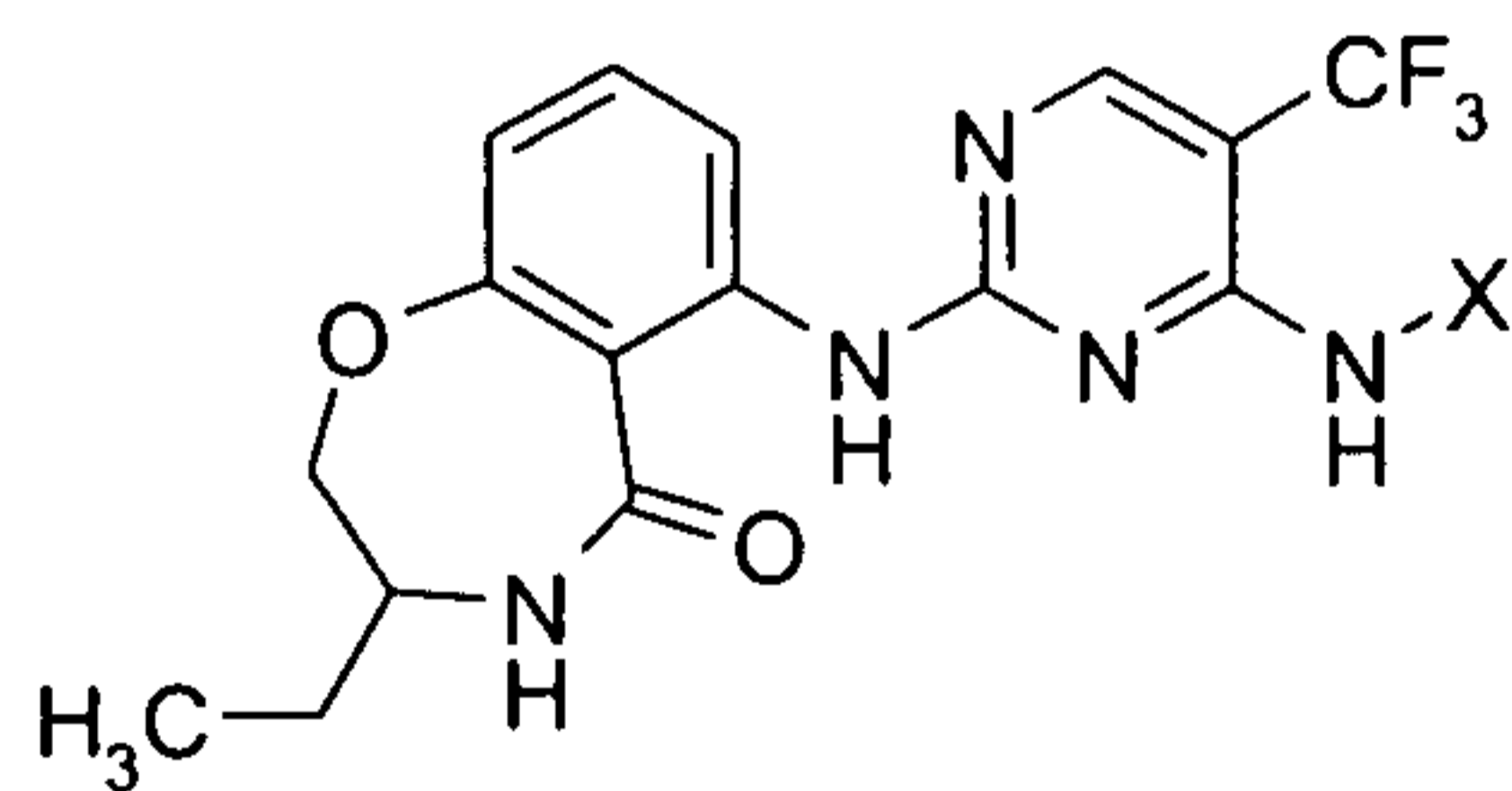
(e)



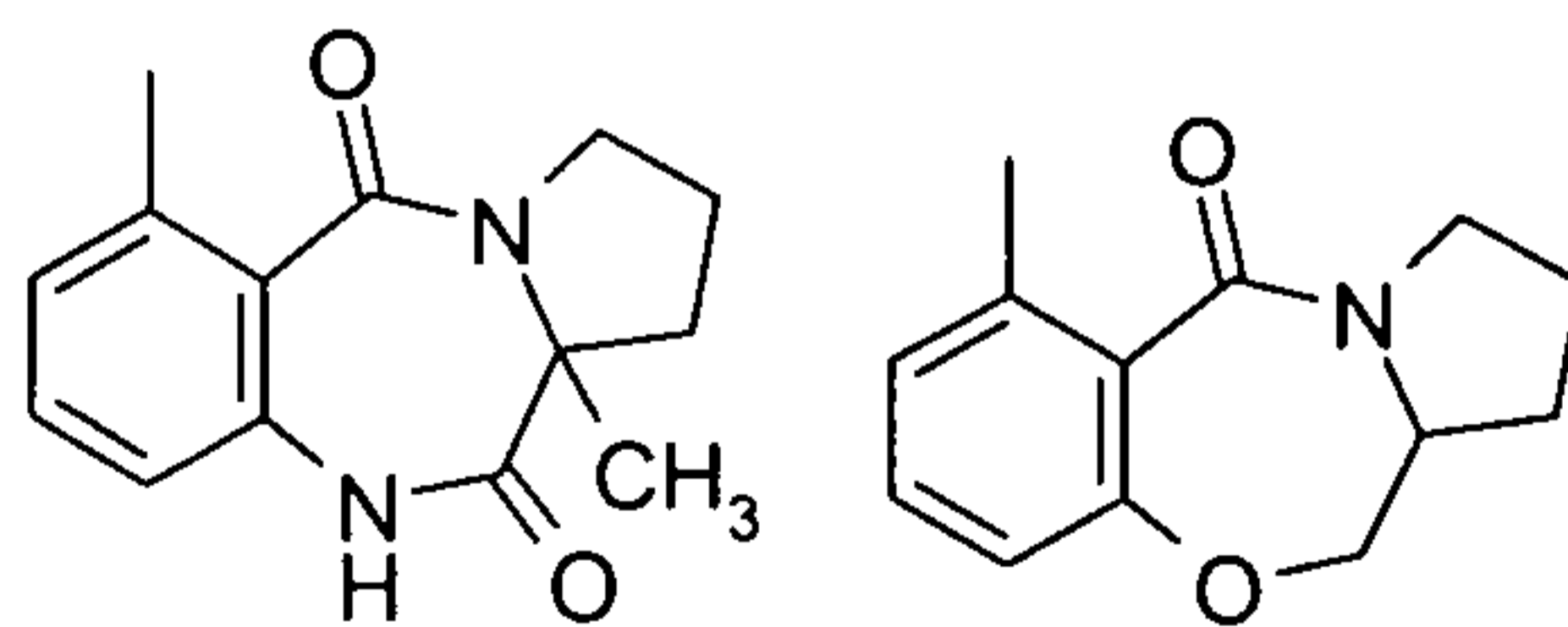
10

wherein R = Br, Cl, or CH<sub>3</sub>;

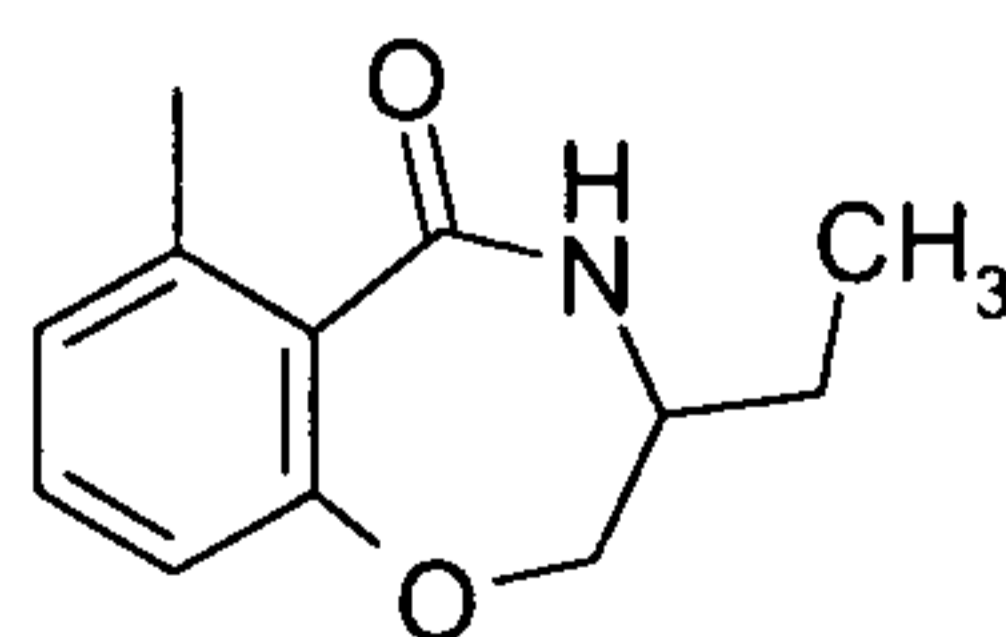
(f)



wherein X =



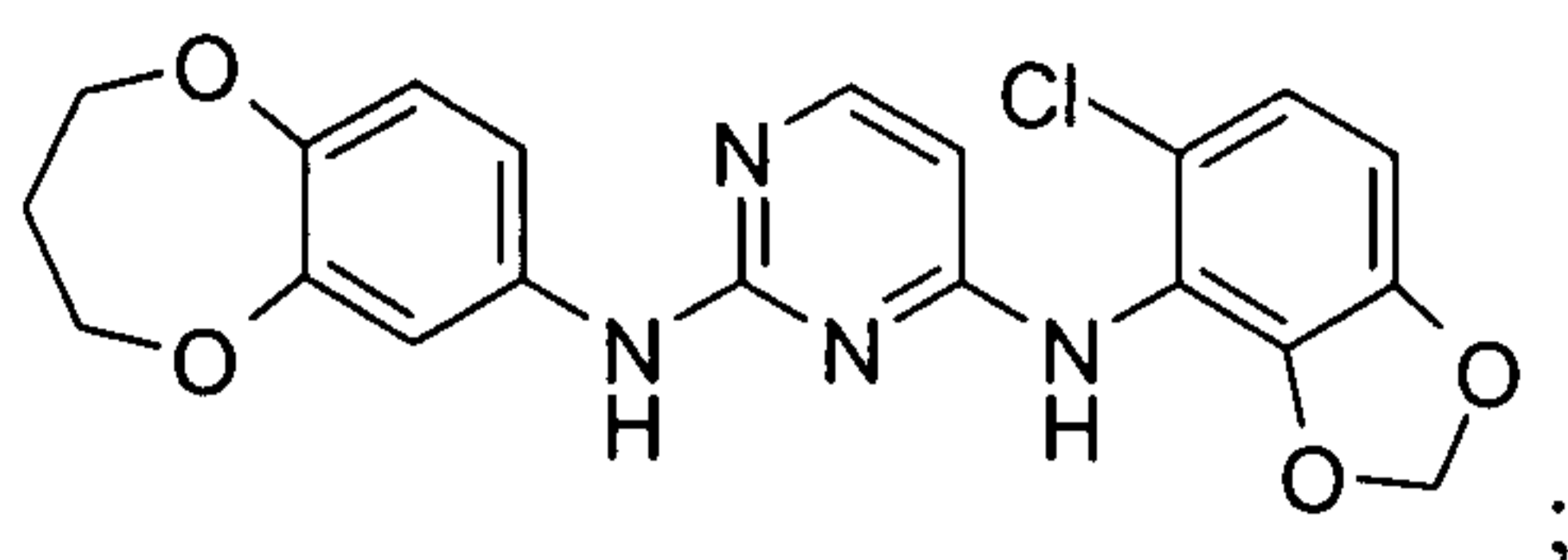
, or



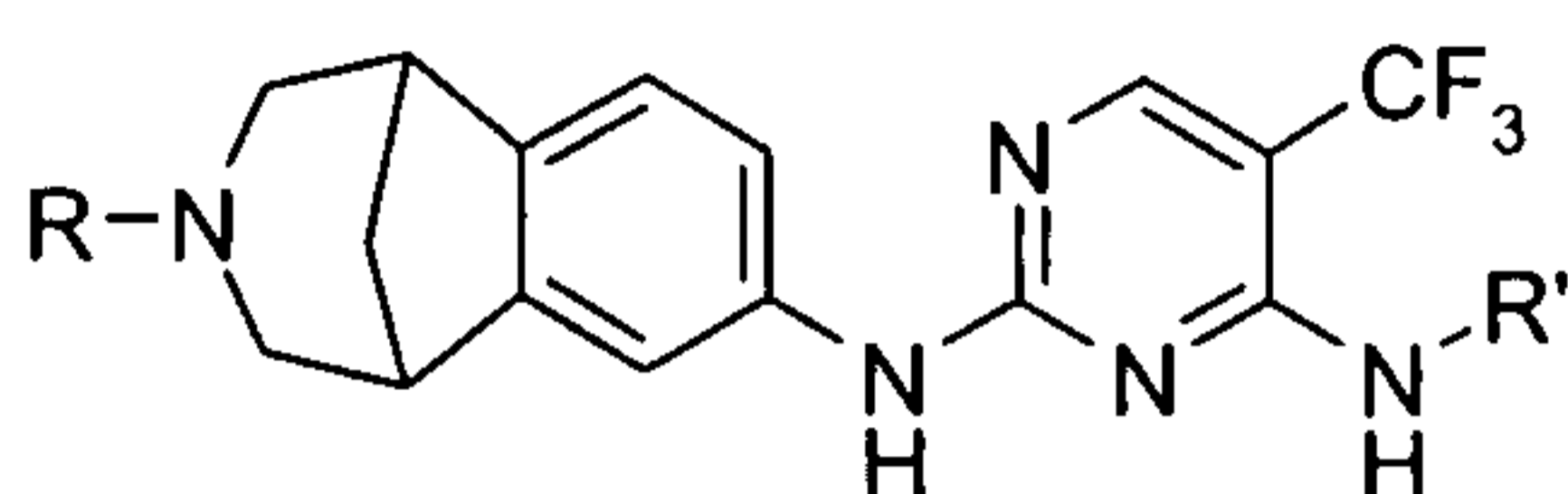
;

15

(g)

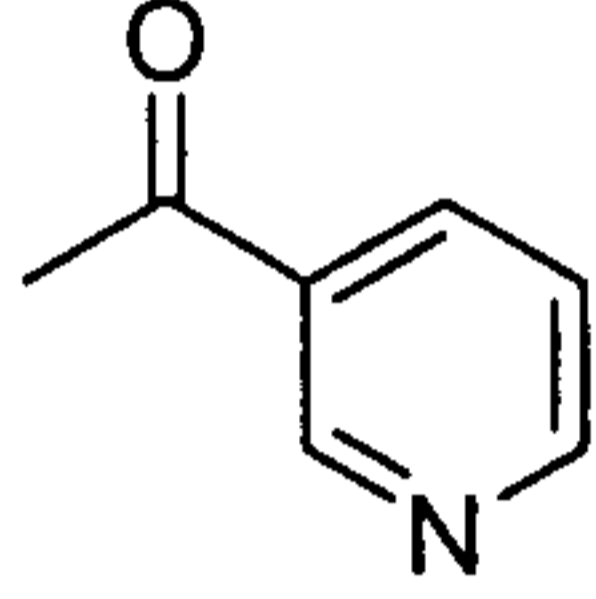


(h)



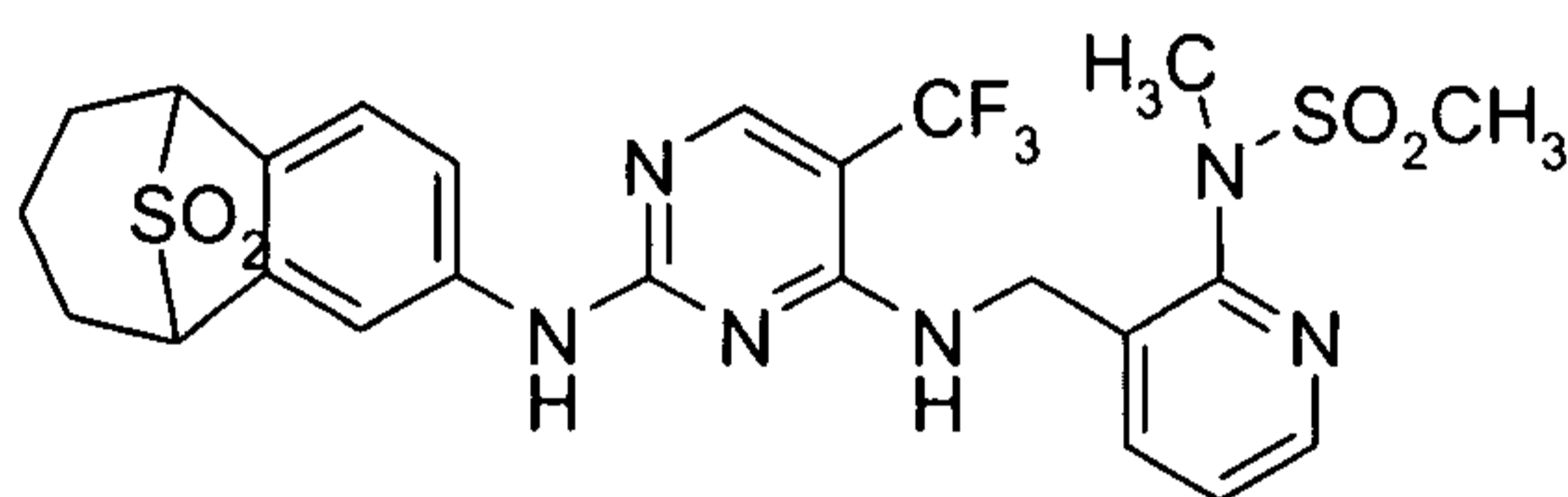
wherein

5 R = H, ethyl,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CHF}_2$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ , 2-

pyridyl, or  $\text{S}(=\text{O})_2\text{CH}_3$ , , and

10 R' = cyclopropyl, cyclobutyl,  $-\text{CH}_2$ -cyclopropyl, ethyl,  $-\text{CH}(\text{CH}_3)_2$ , propyl, methyl, ,  $-(\text{CH}_2)_2\text{OCH}_3$ , or ; or

(i)



As another example, also included within the scope of the present invention are  
 15 compounds of formula I or II and pharmaceutically acceptable salts thereof in which R<sup>1</sup> is halogen, nitro, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, or cyano; R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, and 5-7 membered heterocycloalkyl, wherein the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen,  $-\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{C}(=\text{O})\text{N}(\text{C}_{1-6}\text{-alkyl-OH})\text{R}^{20}$ ,  
 20  $-\text{NR}^{20}\text{R}^{21}$ , C<sub>1-6</sub>-alkyl, 5-15 membered heteroaryl optionally substituted by one or more members chosen from C<sub>1-6</sub>-alkyl and  $-\text{C}_{1-6}\text{-alkyl-O-C}_{1-6}\text{-alkyl}$ , 5-10 membered heterocycloalkyl,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NHC}(=\text{O})\text{R}^{21}$ ,  $-\text{NHS}(=\text{O})_2\text{R}^{21}$ , and  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ , 2-pyridyl, or  $\text{S}(=\text{O})_2\text{CH}_3$ , and



NHC(=O)NR<sup>22</sup>R<sup>23</sup>; R<sup>20</sup>, R<sup>21</sup>, R<sup>22</sup>, and R<sup>23</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-fluoroalkyl, C<sub>2-6</sub>-alkynyl, and C<sub>3-6</sub>-cycloalkyl; R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are independently chosen from H, halogen, -OR<sup>30</sup>, -C(=O)R<sup>30</sup>, and -NR<sup>30</sup>R<sup>31</sup>; R<sup>30</sup> and R<sup>31</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-fluoroalkyl; and -

- 5 A<sup>1</sup>-A<sup>2</sup>-A<sup>3</sup>-A<sup>4</sup>-A<sup>5</sup>- is a group of formula:
- (a) -CH<sub>2</sub>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, wherein Z<sup>1</sup> and Z<sup>2</sup> are independently chosen from H, halogen, and 6-membered heterocycloalkyl,
- (b) -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, wherein Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are independently chosen from H and C<sub>1-6</sub>-alkyl,
- 10 (c) -CZ<sup>1</sup>Z<sup>2</sup>-CH<sub>2</sub>-CZ<sup>1</sup>Z<sup>2</sup>-C(=O)-NZ<sup>3</sup>-, wherein Z<sup>1</sup> and Z<sup>2</sup> are independently chosen from H and C<sub>1-6</sub>-alkyl, and Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C(=O)OH, -C<sub>1-6</sub>-alkyl-C(=O)O-C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C(=O)-6 membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl,
- (d) -CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,
- 15 (e) -CH<sub>2</sub>-CH<sub>2</sub>-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-,
- (f) -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-, wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C(=O)C<sub>1-6</sub>-fluoroalkyl, -C(=O)N(C<sub>1-6</sub>alkyl)(C<sub>1-6</sub>-alkyl), -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C(=O)N(C<sub>1-6</sub>alkyl)(C<sub>1-6</sub>-alkyl), -C<sub>1-6</sub>-alkyl-NHC(=O)-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-fluoroalkyl, -C<sub>1-6</sub>-fluoroalkyl-OH, -C<sub>1-6</sub>-fluoroalkyl-O-C<sub>1-6</sub>-alkyl,
- 20 C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl,
- (g) -CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-,
- (h) -CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-C(=O)-CZ<sup>1</sup>Z<sup>2</sup>-, wherein Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are independently chosen from H and C<sub>1-6</sub>-alkyl,
- (i) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3a</sup>-, wherein Z<sup>3</sup> is chosen from H, -C(=O)C<sub>1-6</sub>-alkyl, and -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, and Z<sup>3a</sup> is chosen from H and C<sub>1-6</sub>-alkyl,
- 25 (j) -CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-NZ<sup>3</sup>-, wherein Z<sup>3</sup> is C<sub>1-6</sub>-alkyl,
- (k) -CH<sub>2</sub>-NH-CH<sub>2</sub>-CH<sub>2</sub>-O-,
- (l) -CH<sub>2</sub>-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-S-, wherein Z<sup>3</sup> is chosen from H, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-OH, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, and -C<sub>1-6</sub>-alkyl-OC(=O)-C<sub>1-6</sub>-alkyl,
- 30 (m) -CH<sub>2</sub>-NH-CH<sub>2</sub>-CH<sub>2</sub>-SO<sub>2</sub>-,
- (n) -CH<sub>2</sub>-NH-C(=O)-NH-CH<sub>2</sub>-,
- (o) -C(=O)-NZ<sup>3</sup>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-, wherein Z<sup>3</sup> is chosen from H and C<sub>1-6</sub>-alkyl,

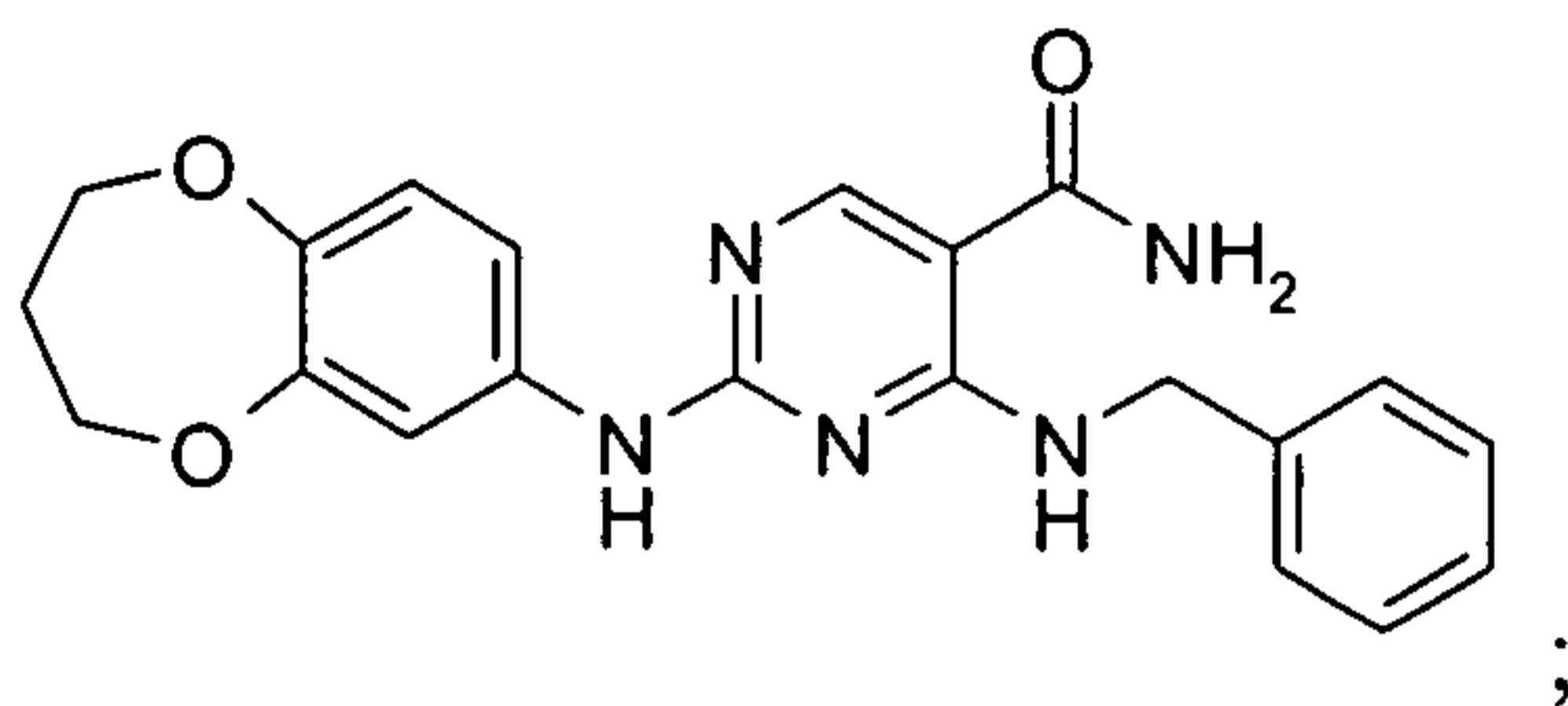




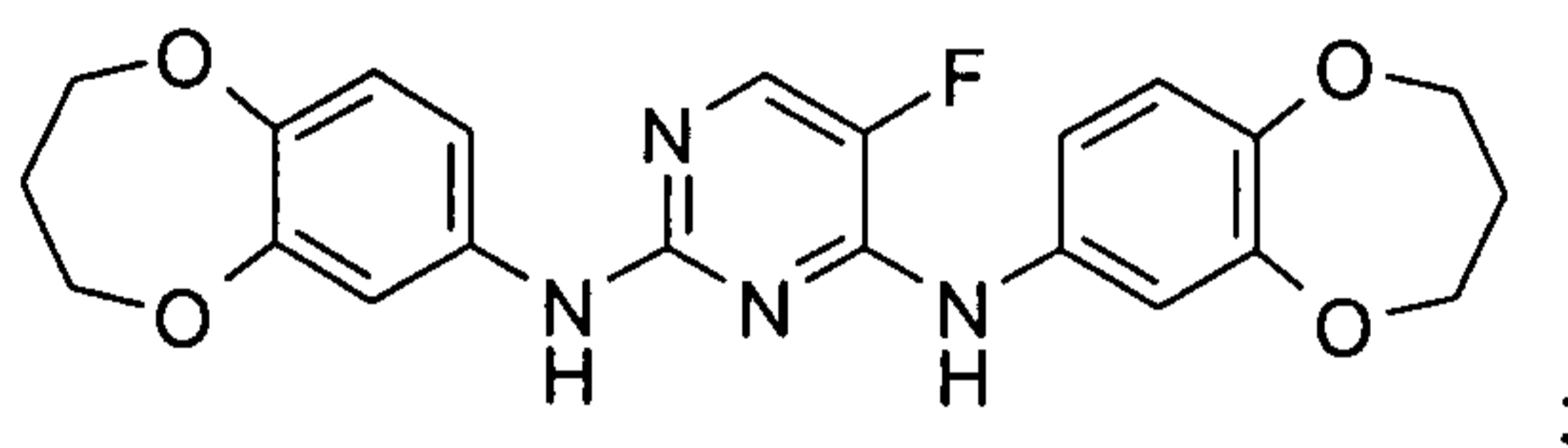
$\text{—NX—}$ ,  
 wherein X is  $-\text{C}(=\text{O})\text{OC}_{1-6}\text{-alkyl}$ ;

with the proviso that the compound is not:

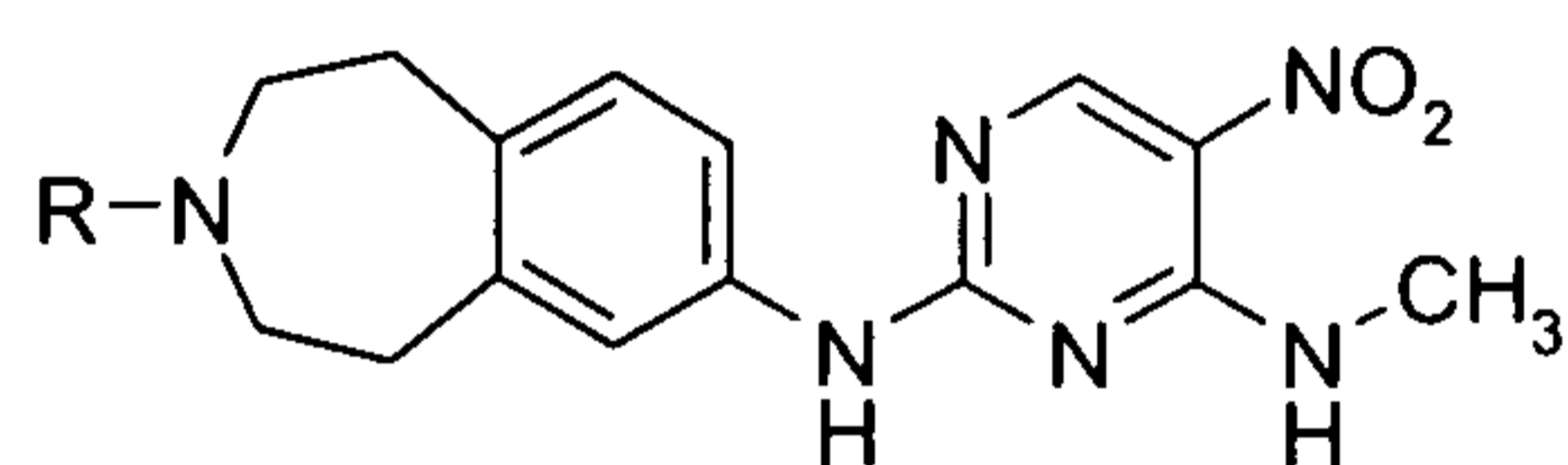
(a)



(b)

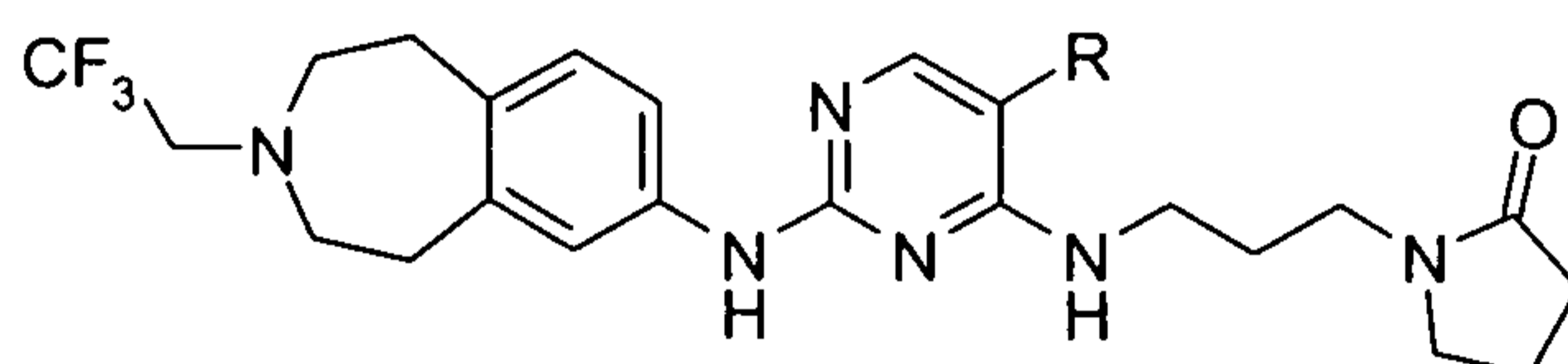


(c)



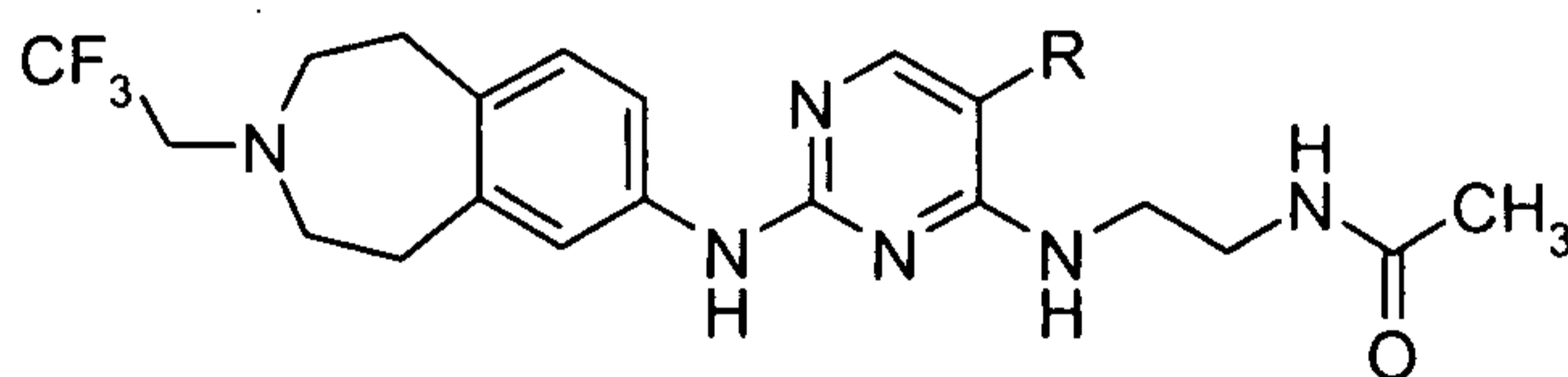
wherein R = H or  $-\text{C}(=\text{O})\text{CF}_3$ ;

(d)



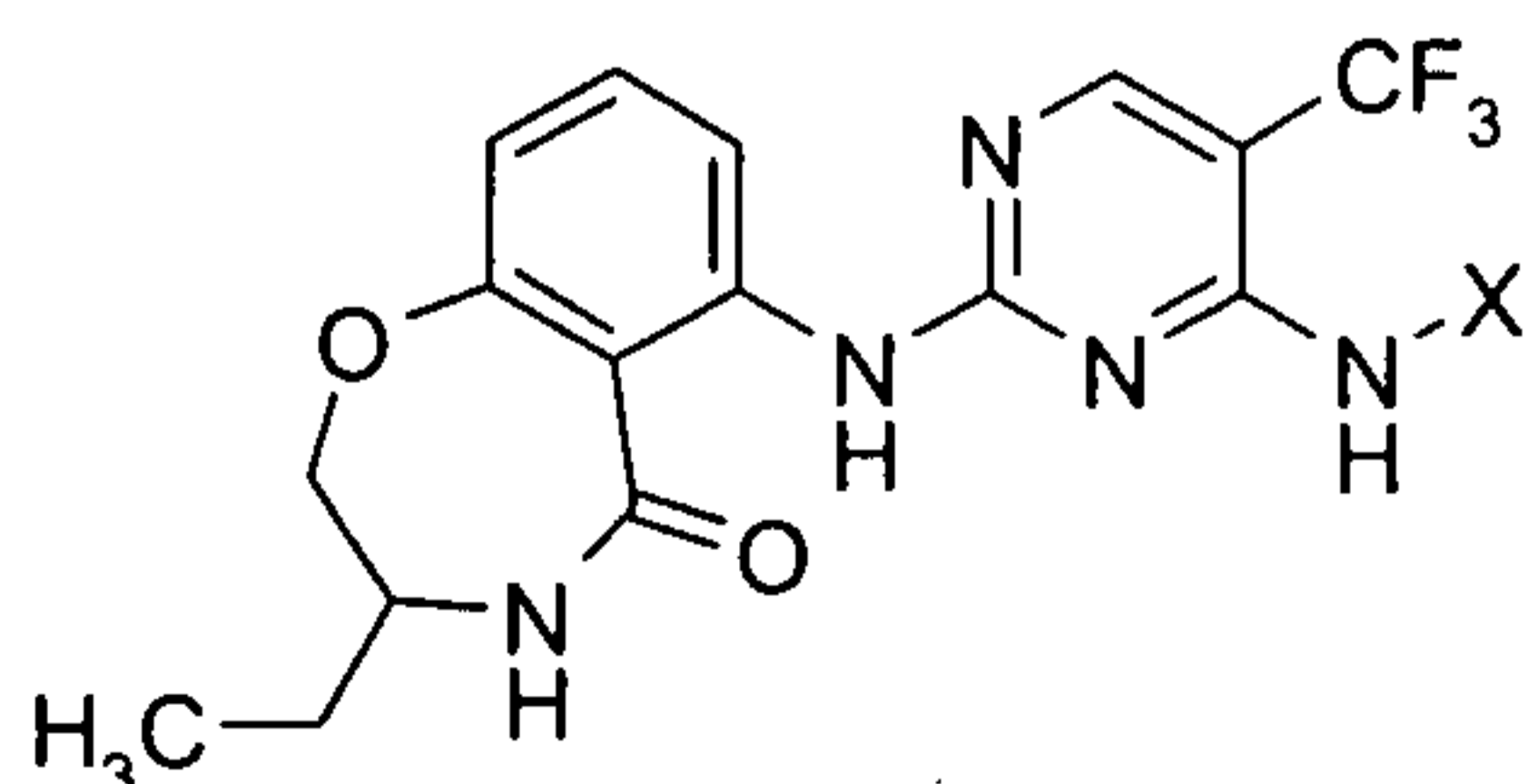
wherein R = Br, Cl,  $\text{CH}_3$ , or  $\text{CF}_3$ ;

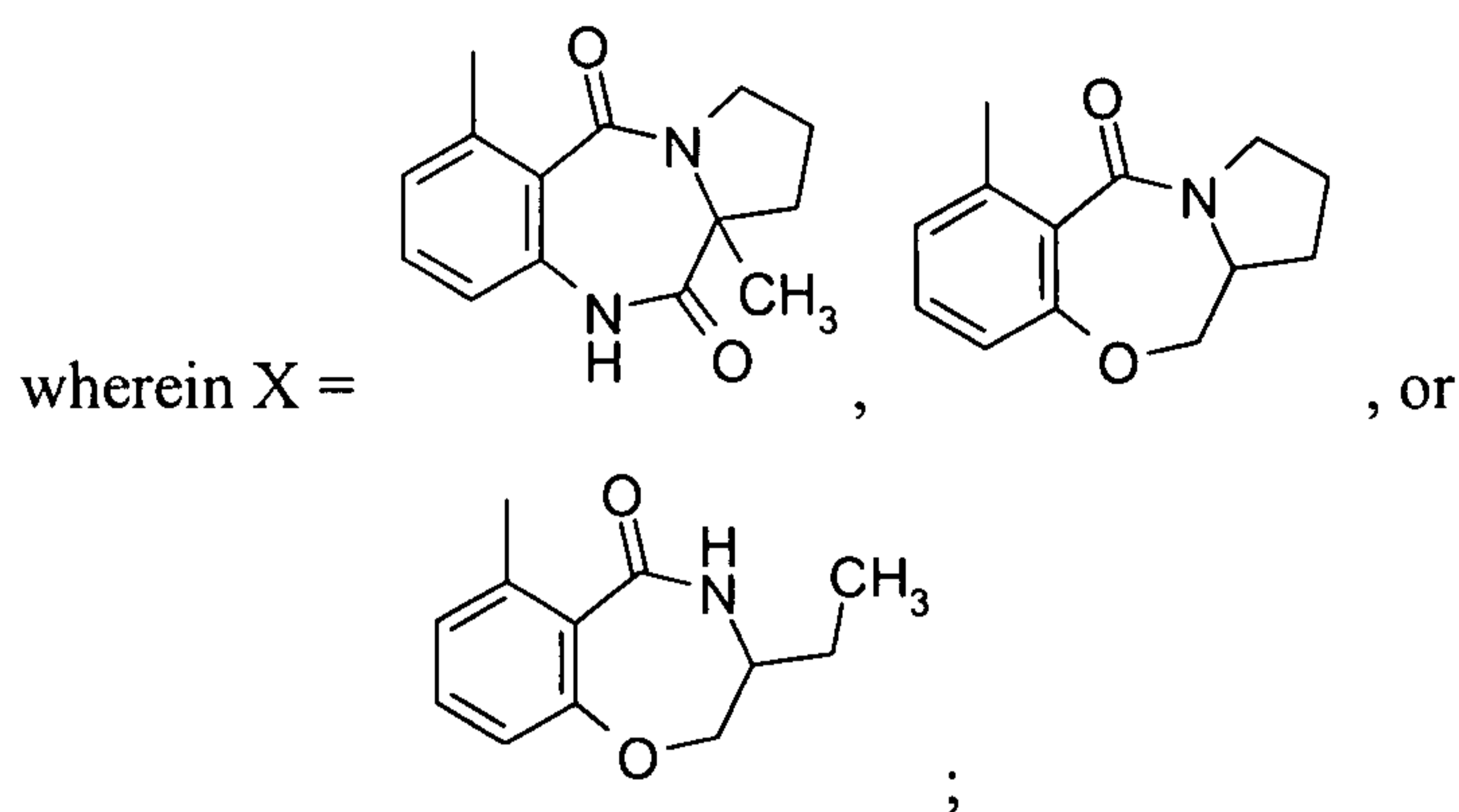
(e)



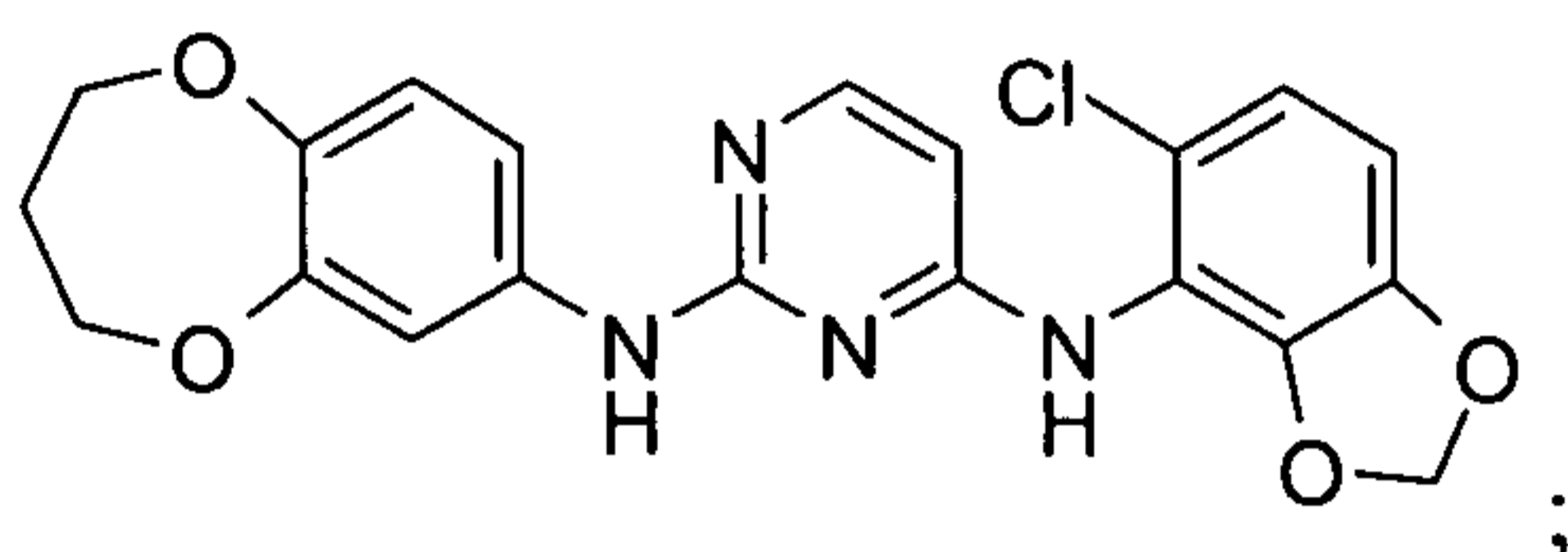
wherein R = Br, Cl, or  $\text{CH}_3$ ;

(f)



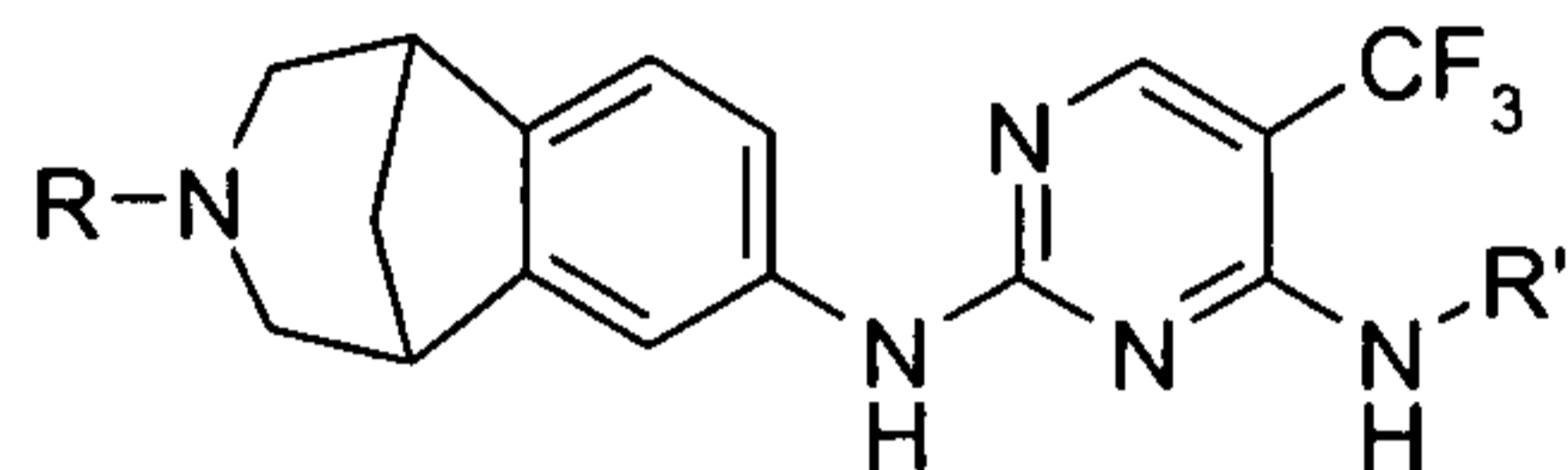


(g)



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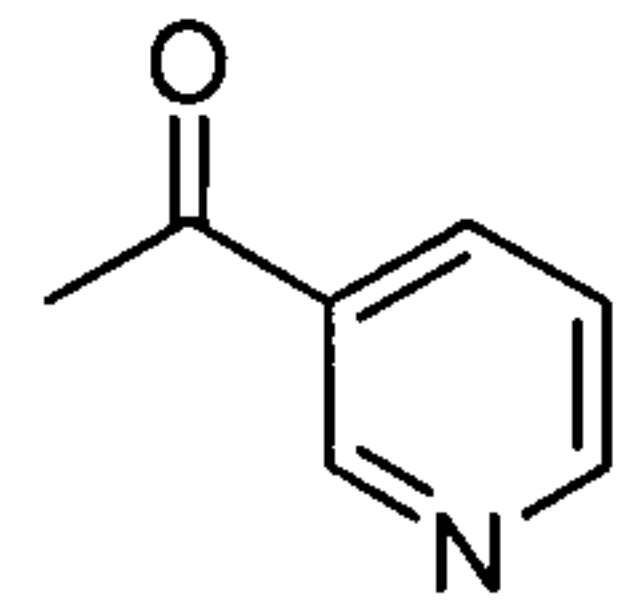
(h)



wherein

R = H, ethyl,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CHF}_2$ , -

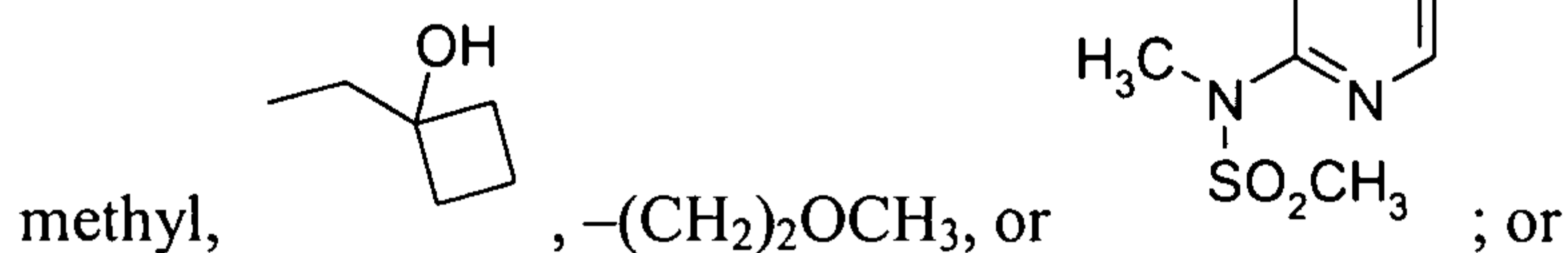
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$\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ , , 2-

pyridyl, or  $\text{S}(=\text{O})_2\text{CH}_3$ ,

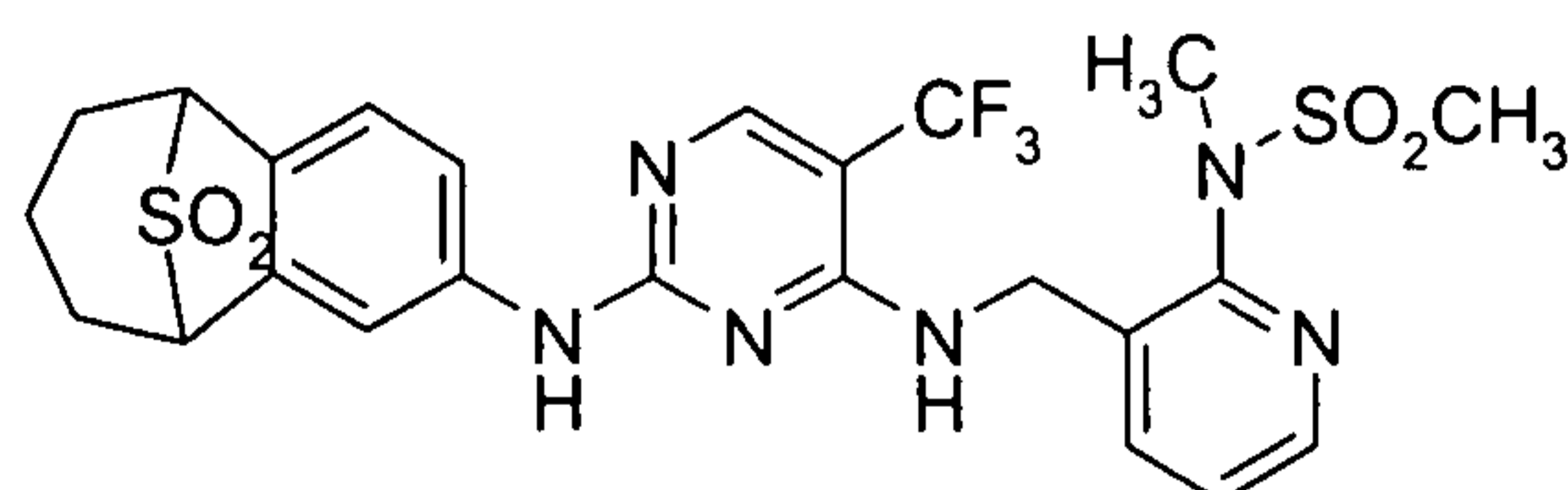
and

R' = cyclopropyl, cyclobutyl,  $-\text{CH}_2$ -cyclopropyl, ethyl,  $-\text{CH}(\text{CH}_3)_2$ , propyl,



15

(i)



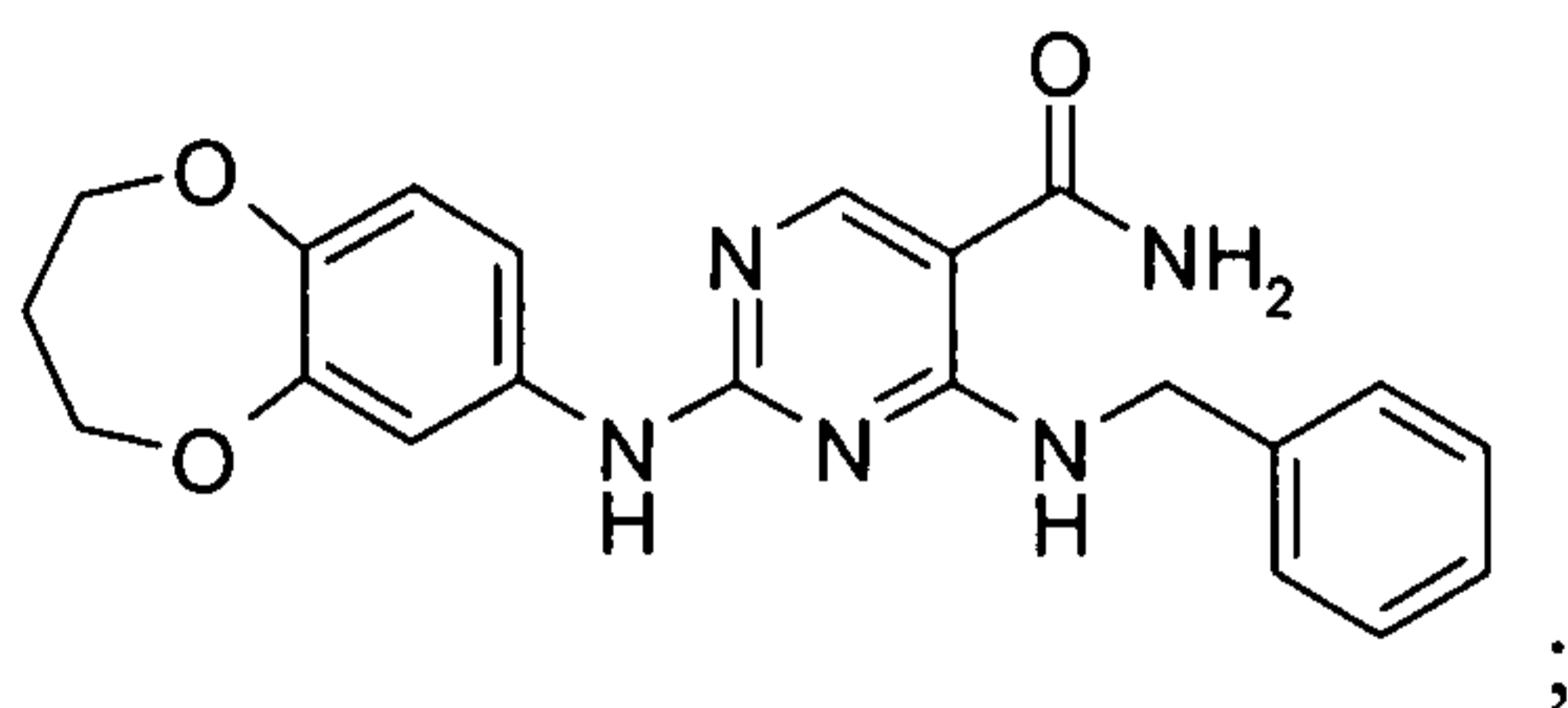


As another example, also included within the scope of the present invention are compounds of formula I or II and pharmaceutically acceptable salts thereof in which R<sup>1</sup> is halogen, nitro, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, or pseudohalogen; R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, 5-7 membered heterocycloalkyl, and 5-10 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen, -OR<sup>20</sup>, -C(=O)R<sup>20</sup>, -C(=O)OR<sup>20</sup>, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-6</sub>-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-alkyl, 5-15 membered heteroaryl optionally substituted by one or more members chosen from C<sub>1-6</sub>-alkyl and -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, 5-10 membered heterocycloalkyl, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -NHC(=O)R<sup>21</sup>, -NHS(=O)<sub>2</sub>R<sup>21</sup>, and -NHC(=O)NR<sup>22</sup>R<sup>23</sup>; R<sup>20</sup>, R<sup>21</sup>, R<sup>22</sup>, and R<sup>23</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-fluoroalkyl, C<sub>2-6</sub>-alkynyl, and C<sub>3-6</sub>-cycloalkyl; R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are independently chosen from H, halogen, -OR<sup>30</sup>, -C(=O)R<sup>30</sup>, -NR<sup>30</sup>R<sup>31</sup>, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-haloalkyl; R<sup>30</sup> and R<sup>31</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-fluoroalkyl; A<sup>1</sup>, A<sup>2</sup>, and A<sup>3</sup> are independently chosen from -CZ<sup>1</sup>Z<sup>2</sup>-, -C(=O)-, -NZ<sup>3</sup>-, and -O-; A<sup>4</sup> is chosen from -CZ<sup>1</sup>Z<sup>2</sup>-, -C(=O)-, and -NZ<sup>3</sup>-; A<sup>5</sup> is chosen from -CZ<sup>1</sup>Z<sup>2</sup>-, -C(=O)-, -NZ<sup>3</sup>-, -S-, -S(=O)<sub>2</sub>-, and -O-; Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

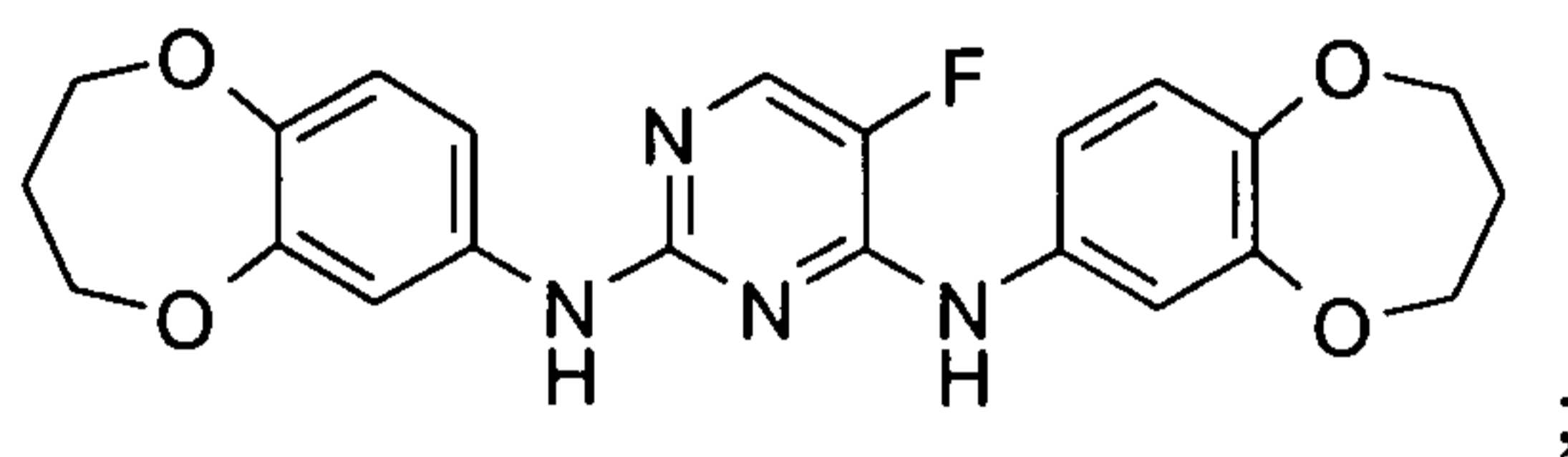
- (a) any Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may be independently chosen from H, halogen, -C(=O)R<sup>40</sup>, -C(=O)NR<sup>42</sup>R<sup>43</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NHC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-CN, C<sub>1-6</sub>-haloalkyl, -C<sub>1-6</sub>-haloalkyl-OR<sup>40</sup>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, 3-15 membered heterocycloalkyl, and -S(=O)<sub>2</sub>R<sup>40</sup>, and
- (b) any two of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may together form a group of formula -A<sup>6</sup>-A<sup>7</sup>-A<sup>8</sup>-A<sup>9</sup>-A<sup>10</sup>-, wherein A<sup>6</sup> is -CZ<sup>4</sup>Z<sup>5</sup>-, -NZ<sup>6</sup>-, or -O-, A<sup>7</sup>, A<sup>8</sup>, and A<sup>9</sup> are independently a bond or -CZ<sup>4</sup>Z<sup>5</sup>-, and A<sup>10</sup> is a bond;

R<sup>40</sup> at each occurrence is independently chosen from H, C<sub>1-6</sub>-alkyl, 5-membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 6-membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 6-membered heterocycloalkyl; R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally substituted by -OH; Z<sup>4</sup> and Z<sup>5</sup> are H; and Z<sup>6</sup> is chosen from H, -C(=O)C<sub>3-6</sub>-cycloalkyl, -C(=O)O-C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-C<sub>3-6</sub>-cycloalkyl, -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, and -S(=O)<sub>2</sub>-C<sub>1-6</sub>-alkyl; with the proviso that the compound is not:

(a)

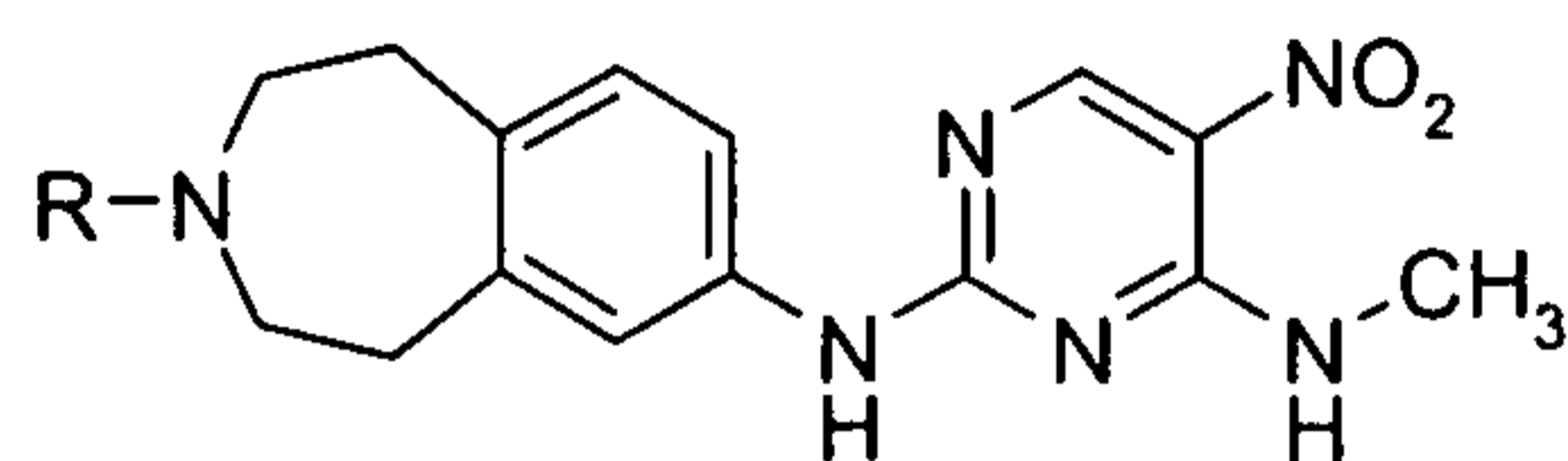


(b)



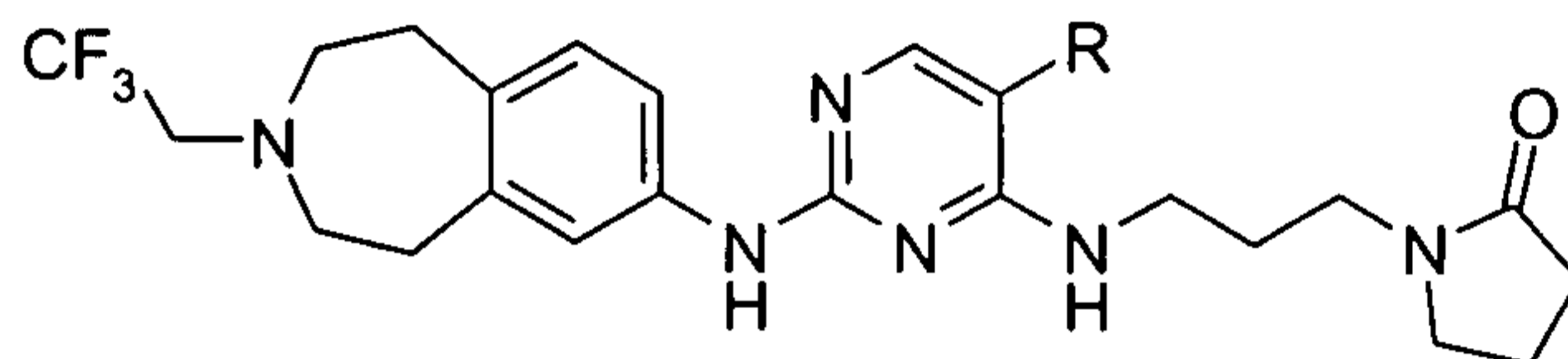
5

(c)



wherein R = H or  $-C(=O)CF_3$ ;

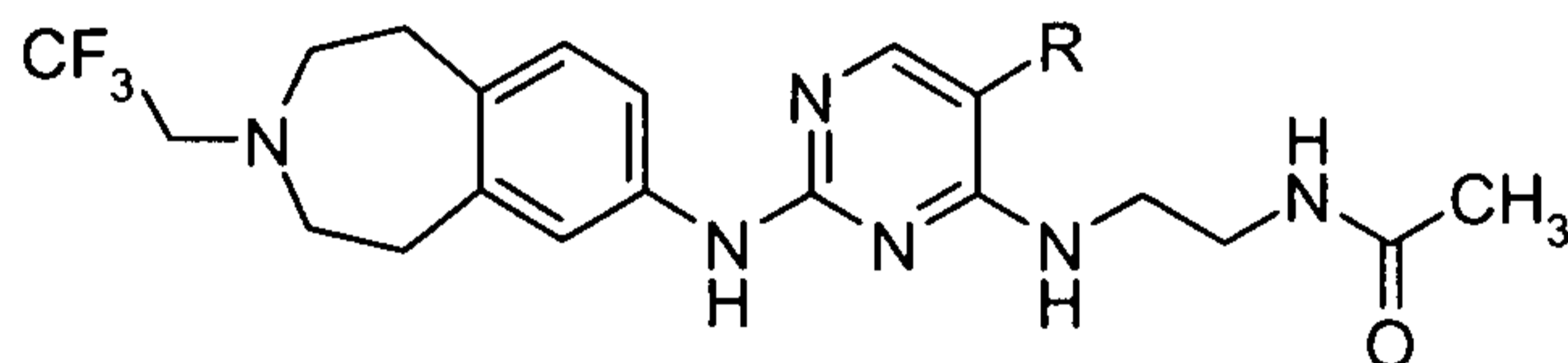
(d)



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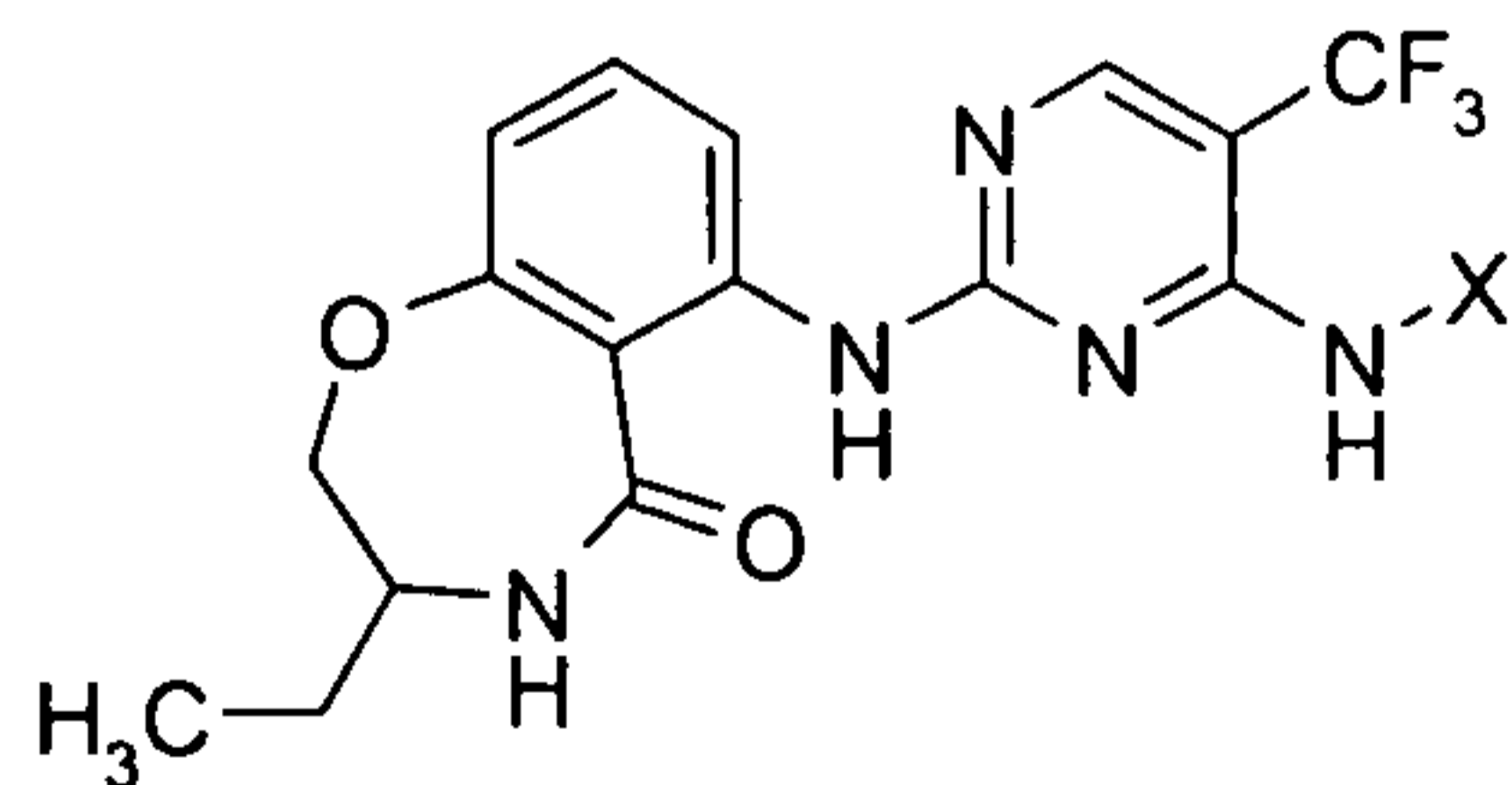
wherein R = Br, Cl, CH<sub>3</sub>, or CF<sub>3</sub>;

(e)



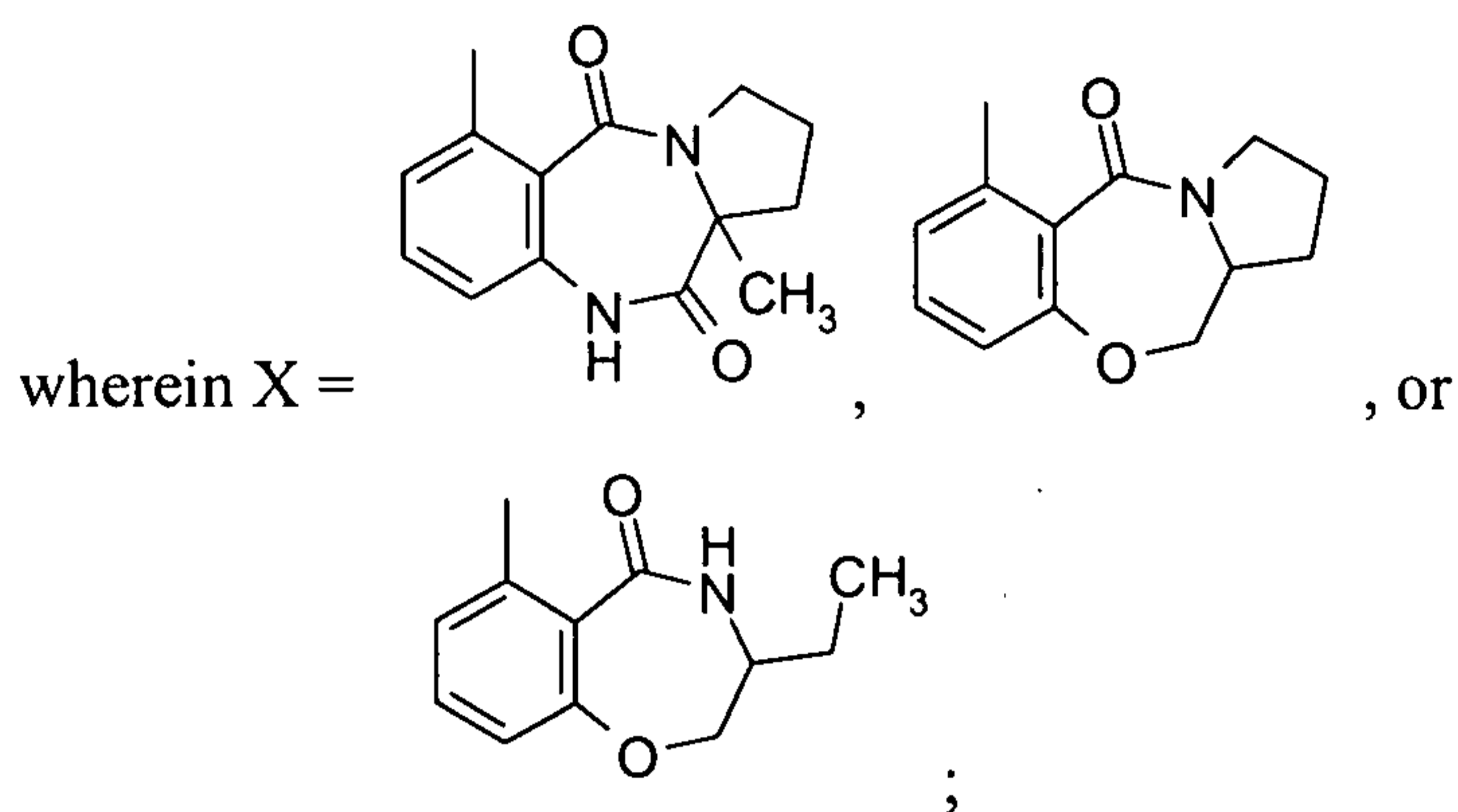
wherein R = Br, Cl, or CH<sub>3</sub>;

(f)

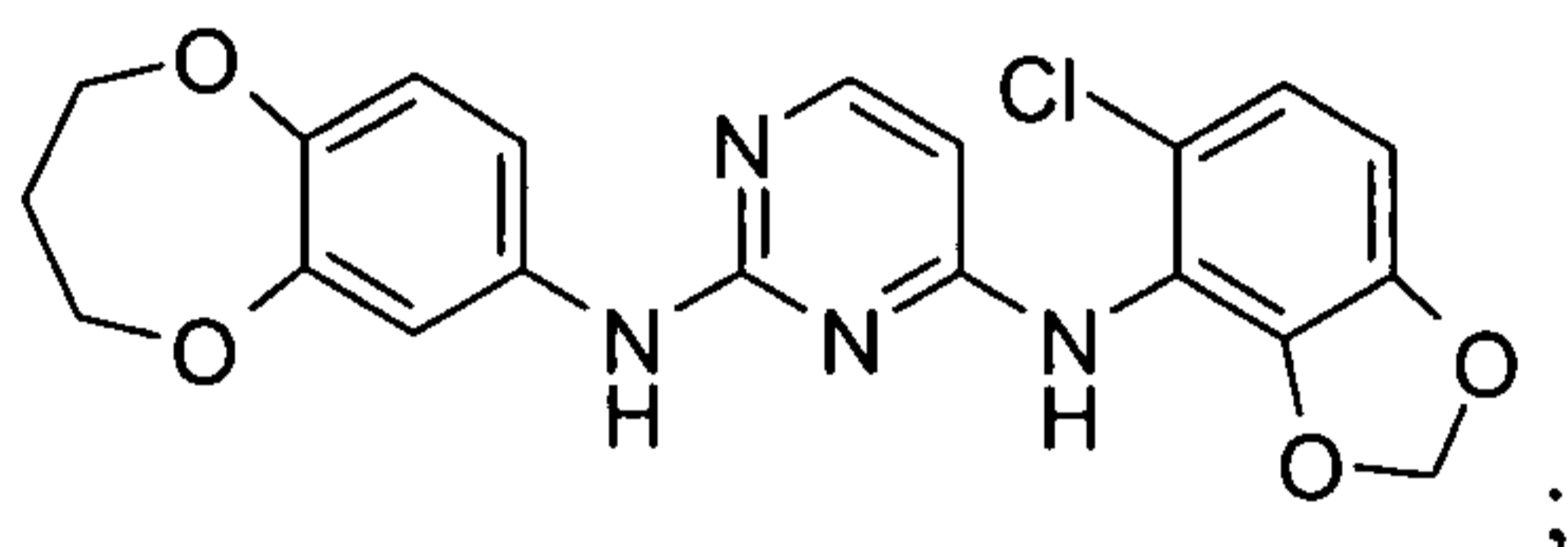


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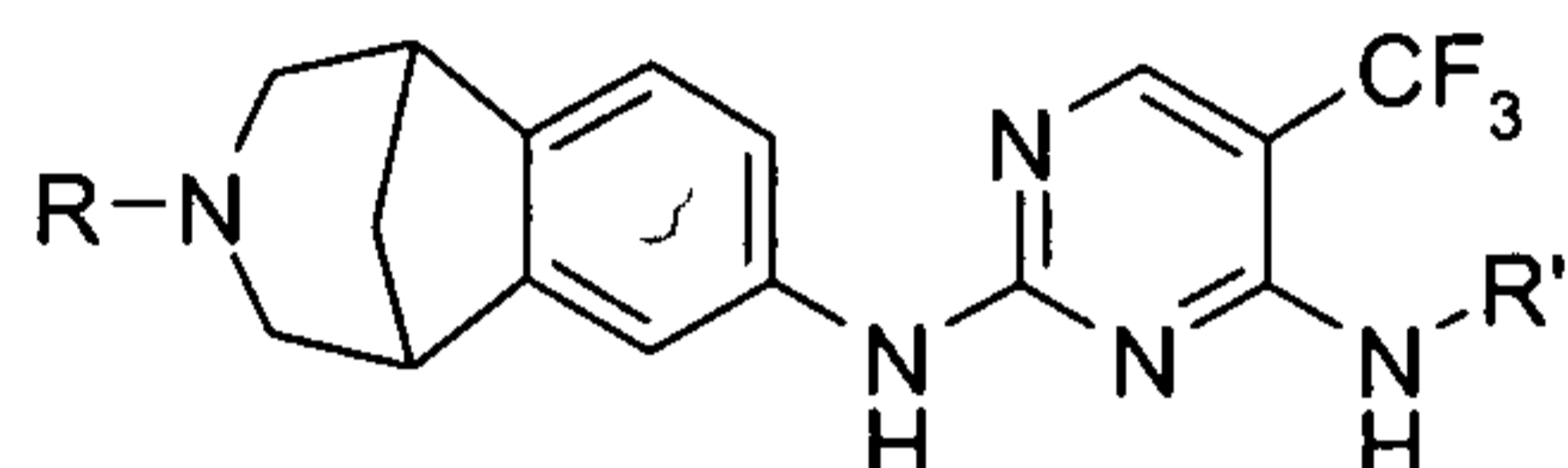


(g)



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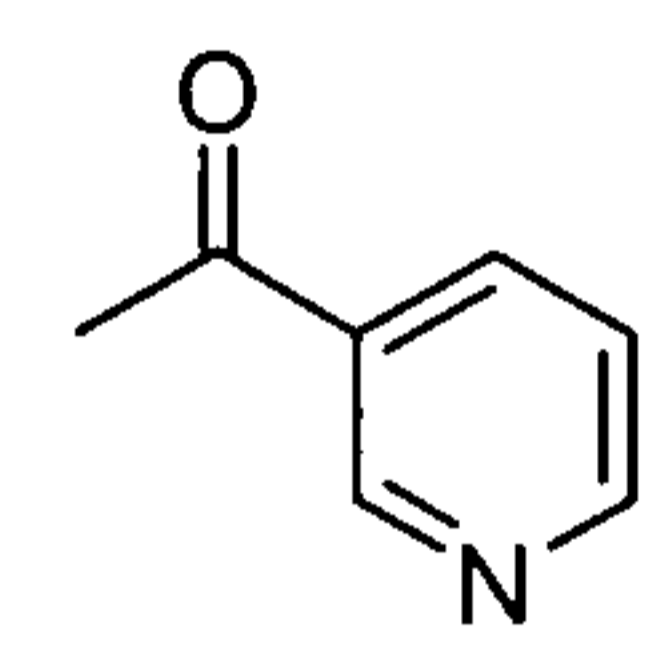
(h)



wherein

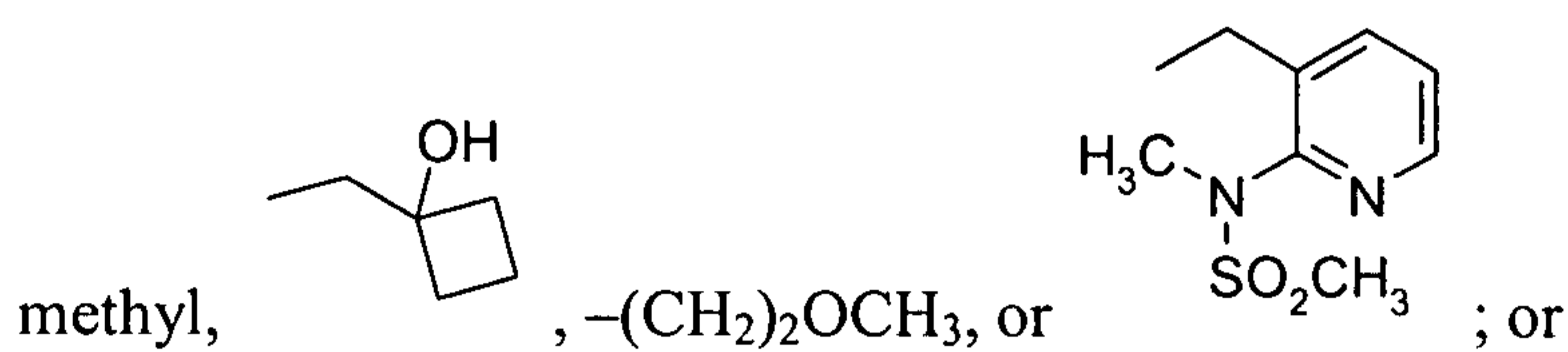
R = H, ethyl,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CHF}_2$ , -

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$\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ ,  , 2-pyridyl, or  $\text{S}(=\text{O})_2\text{CH}_3$ ,

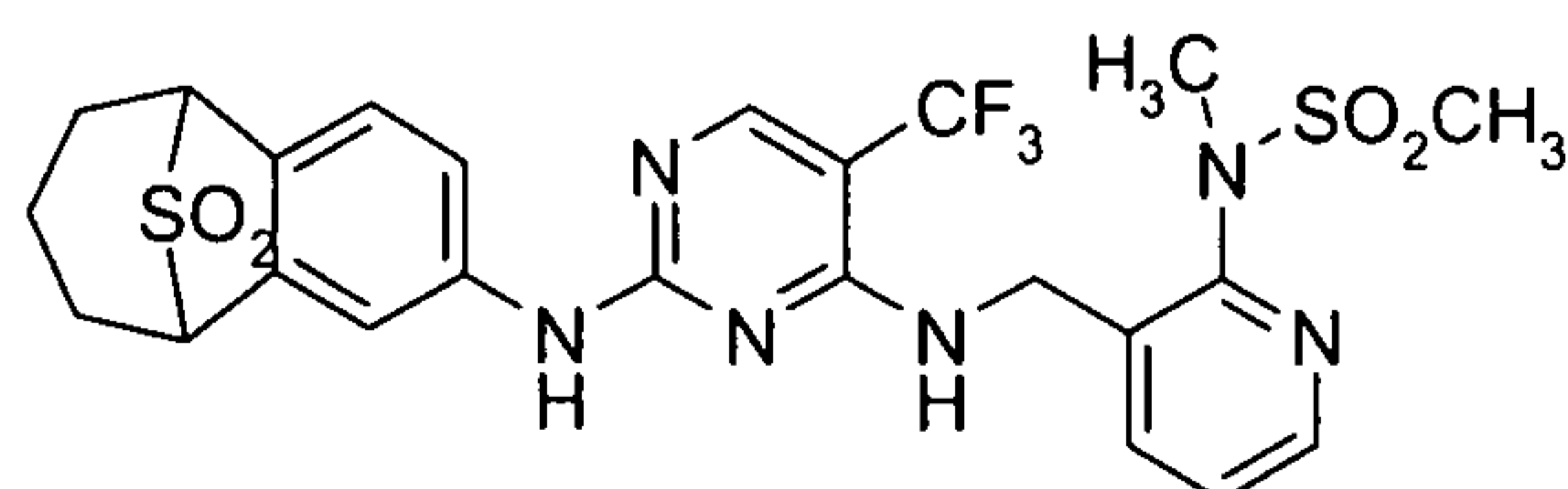
and

R' = cyclopropyl, cyclobutyl,  $-\text{CH}_2$ -cyclopropyl, ethyl,  $-\text{CH}(\text{CH}_3)_2$ , propyl,



15

(i)



As another example, also included within the scope of the present invention are compounds of formula I or II and pharmaceutically acceptable salts thereof in which R<sup>1</sup> is halogen, nitro, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-haloalkyl, or pseudohalogen; R<sup>2</sup> is a group chosen from C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>6-10</sub>-aryl, C<sub>5-7</sub>-cycloalkyl, 5-7 membered heterocycloalkyl, and 5-10 membered heteroaryl, wherein the R<sup>2</sup> group is optionally substituted by one or more members independently chosen from halogen, -OR<sup>20</sup>, -C(=O)R<sup>20</sup>, -C(=O)OR<sup>20</sup>, -C(=O)NR<sup>22</sup>R<sup>23</sup>, -C(=O)N(C<sub>1-6</sub>-alkyl-OH)R<sup>20</sup>, -NR<sup>20</sup>R<sup>21</sup>, C<sub>1-6</sub>-alkyl, 5-15 membered heteroaryl optionally substituted by one or more members chosen from C<sub>1-6</sub>-alkyl and -C<sub>1-6</sub>-alkyl-O-C<sub>1-6</sub>-alkyl, 5-10 membered heterocycloalkyl, -S(=O)<sub>2</sub>NR<sup>22</sup>R<sup>23</sup>, -NHC(=O)R<sup>21</sup>, -NHS(=O)<sub>2</sub>R<sup>21</sup>, and -NHC(=O)NR<sup>22</sup>R<sup>23</sup>; R<sup>20</sup>, R<sup>21</sup>, R<sup>22</sup>, and R<sup>23</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, C<sub>1-6</sub>-fluoroalkyl, C<sub>2-6</sub>-alkynyl, and C<sub>3-6</sub>-cycloalkyl; R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are independently chosen from H, halogen, -OR<sup>30</sup>, -C(=O)R<sup>30</sup>, -NR<sup>30</sup>R<sup>31</sup>, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-haloalkyl; R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are independently chosen from H, halogen, -OR<sup>30</sup>, -C(=O)R<sup>30</sup>, and -NR<sup>30</sup>R<sup>31</sup>; R<sup>30</sup> and R<sup>31</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, and C<sub>1-6</sub>-fluoroalkyl; A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, A<sup>4</sup>, and A<sup>5</sup> are independently chosen from -CZ<sup>1</sup>Z<sup>2</sup>-, -C(=O)-, -NZ<sup>3</sup>-, -S-, -S(=O)<sub>2</sub>-, and -O-; Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> are defined as follows:

(a) any of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may be independently chosen from H, halogen, -NO<sub>2</sub>, -OR<sup>40</sup>, -C(=O)R<sup>40</sup>, -C(=O)OR<sup>40</sup>, -C(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>R<sup>41</sup>, C<sub>1-6</sub>-alkyl, -C<sub>1-6</sub>-alkyl-R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-OC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)OR<sup>40</sup>, -C<sub>1-6</sub>-alkyl-C(=O)NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NR<sup>42</sup>R<sup>43</sup>, -C<sub>1-6</sub>-alkyl-NHC(=O)R<sup>40</sup>, -C<sub>1-6</sub>-alkyl-CN, C<sub>1-6</sub>-haloalkyl, -C<sub>1-6</sub>-haloalkyl-OR<sup>40</sup>, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen, -S(=O)<sub>n</sub>R<sup>40</sup>, -S(=O)<sub>2</sub>NR<sup>42</sup>R<sup>43</sup>, -OCH<sub>2</sub>F, -OCHF<sub>2</sub>, -OCF<sub>3</sub>, -NHOH, -OC(=O)R<sup>40</sup>, -OC(=O)NR<sup>42</sup>R<sup>43</sup>, -NR<sup>40</sup>C(=O)R<sup>41</sup>, -NR<sup>40</sup>C(=O)OR<sup>41</sup>, -NR<sup>40</sup>S(=O)<sub>2</sub>R<sup>41</sup>, and -SCF<sub>3</sub>, and

(b) any two of Z<sup>1</sup>, Z<sup>2</sup>, and Z<sup>3</sup> may together form a group of formula -A<sup>6</sup>-A<sup>7</sup>-A<sup>8</sup>-A<sup>9</sup>-A<sup>10</sup>-;

R<sup>40</sup> and R<sup>41</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl, 5-membered heteroaryl, C<sub>1-6</sub>-haloalkyl, 6-membered heterocycloalkyl-C<sub>1-6</sub>-alkyl, and 6-membered heterocycloalkyl; R<sup>42</sup> and R<sup>43</sup> at each occurrence are independently chosen from H, C<sub>1-6</sub>-alkyl optionally substituted by -OH, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl optionally



substituted by  $-\text{OH}$ ;  $\text{A}^6$ ,  $\text{A}^7$ ,  $\text{A}^8$ ,  $\text{A}^9$ , and  $\text{A}^{10}$  are independently chosen from a bond,  $-\text{CZ}^4\text{Z}^5-$ ,  $-\text{NZ}^6-$ , and  $-\text{O}-$ ;  $\text{Z}^4$  and  $\text{Z}^5$  are H; and  $\text{Z}^6$  is chosen from H,  $-\text{C}(=\text{O})\text{C}_{3-6}$ -cycloalkyl,  $-\text{C}(=\text{O})\text{O}-\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{C}_{3-6}$ -cycloalkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{O}-\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkynyl, and  $-\text{S}(=\text{O})_2-\text{C}_{1-6}$ -alkyl; and wherein  $\text{R}^2$  is not  $\text{C}_{1-2}$ -alkyl substituted

5 by any of the following:

- (a) indolyl;
- (b) mono or polysubstituted indolyl, wherein each substituent is independently selected from the group consisting of  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -alkyl-OR,  $\text{C}_{1-6}$ -alkyl- $\text{NR}_2$ , and dimethyldioxolanyl, wherein R at each occurrence is independently

10

- (c) benzotriazolyl;
- (d) mono or disubstituted benzotriazolyl, wherein each substituent is independently selected from the group consisting of  $\text{C}_{1-6}$ -alkyl groups;

- (e) phenyl having the following substitution pattern:

15

- (i) ortho positions independently chosen from H, halogen, and  $-\text{CF}_3$ ,
- (ii) meta positions independently chosen from H, halogen, ethynyl,  $-\text{O}(\text{C}_{1-6}$ -alkyl),  $-\text{C}(=\text{O})(\text{C}_{1-3}$ -alkyl), and pyrazolyl, and
- (iii) para position chosen from halogen,  $-\text{O}(\text{C}_{1-6}$ -alkyl),  $-\text{O}(\text{phenyl})$ ,  $-\text{C}(=\text{O})(\text{C}_{1-3}$ -alkyl),  $\text{C}_{1-6}$ -alkyl,  $\text{CF}_3$ , pyrazolyl, morpholinyl,

20

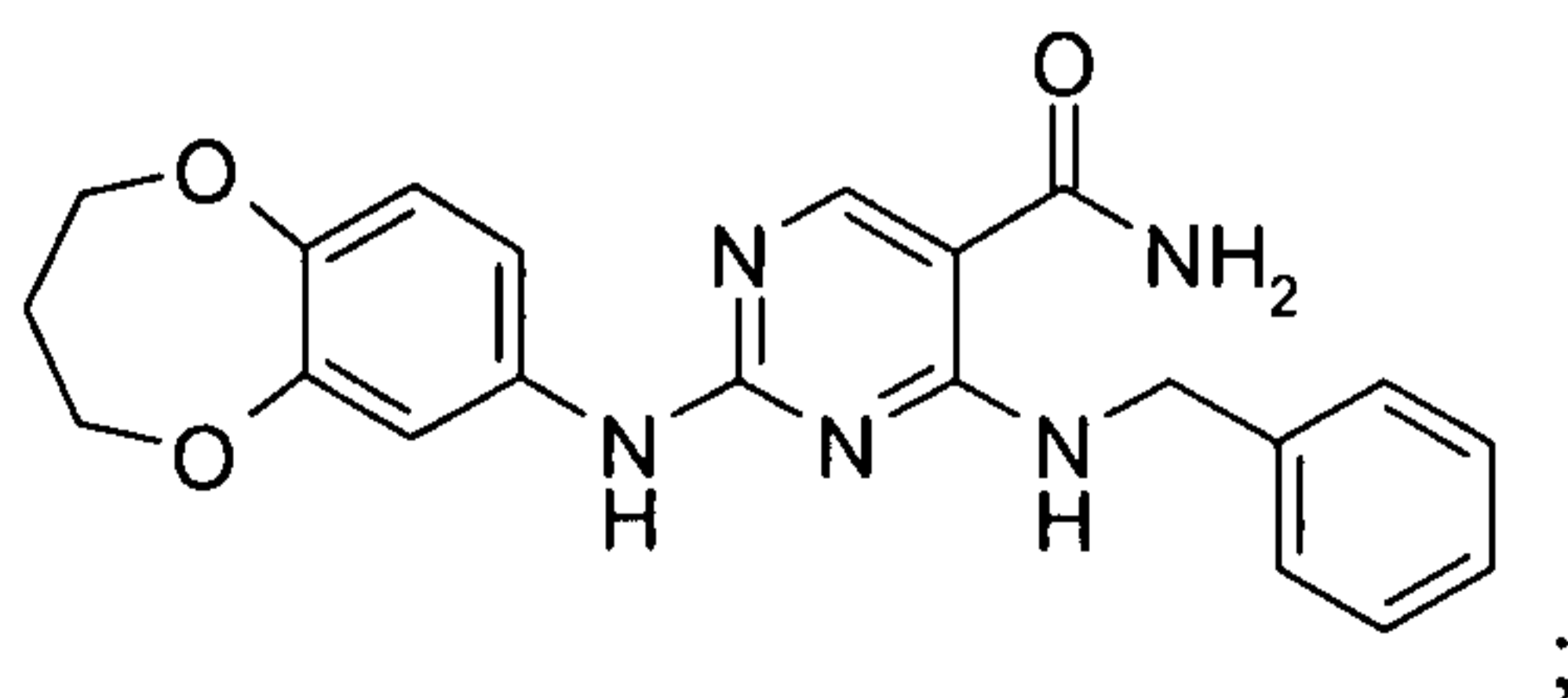
- (f) phenyl having the following substitution pattern:

- (i) ortho positions independently chosen from H, halogen, and  $-\text{CF}_3$ ,
- (ii) meta positions independently chosen from halogen, ethynyl,  $-\text{O}(\text{C}_{1-6}$ -alkyl),  $-\text{C}(=\text{O})(\text{C}_{1-3}$ -alkyl), and pyrazolyl, and
- (iii) para position chosen from H, halogen,  $-\text{O}(\text{C}_{1-6}$ -alkyl),  $-\text{O}(\text{phenyl})$ ,  $-\text{C}(=\text{O})(\text{C}_{1-3}$ -alkyl),  $\text{C}_{1-6}$ -alkyl,  $\text{CF}_3$ , pyrazolyl, morpholinyl,

25

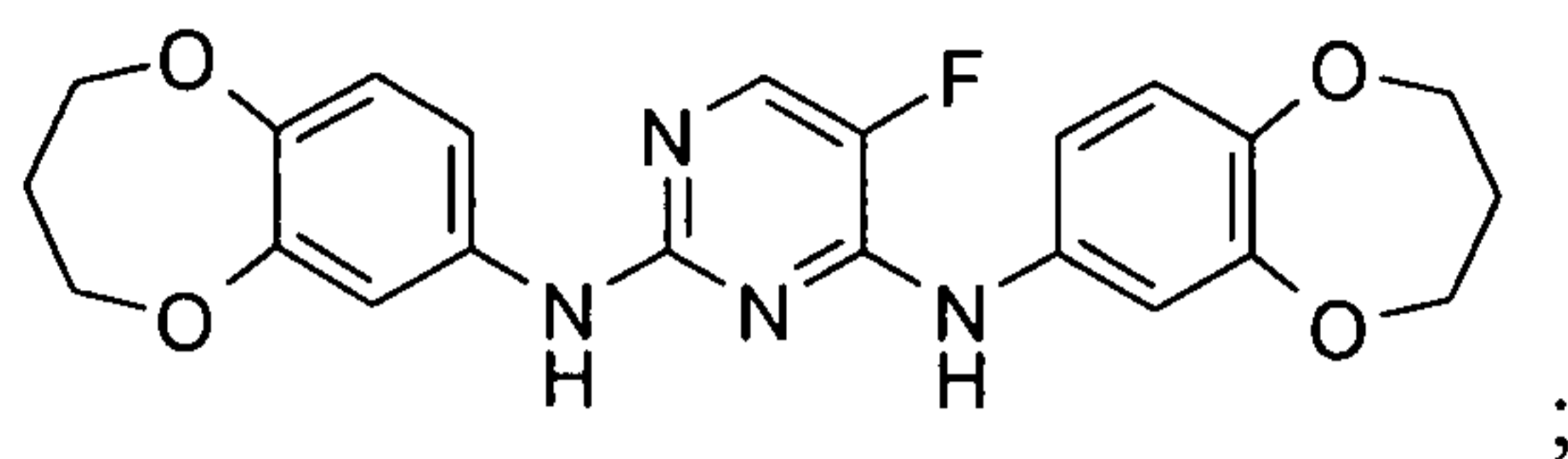
with the proviso that the compound is not:

- (a)

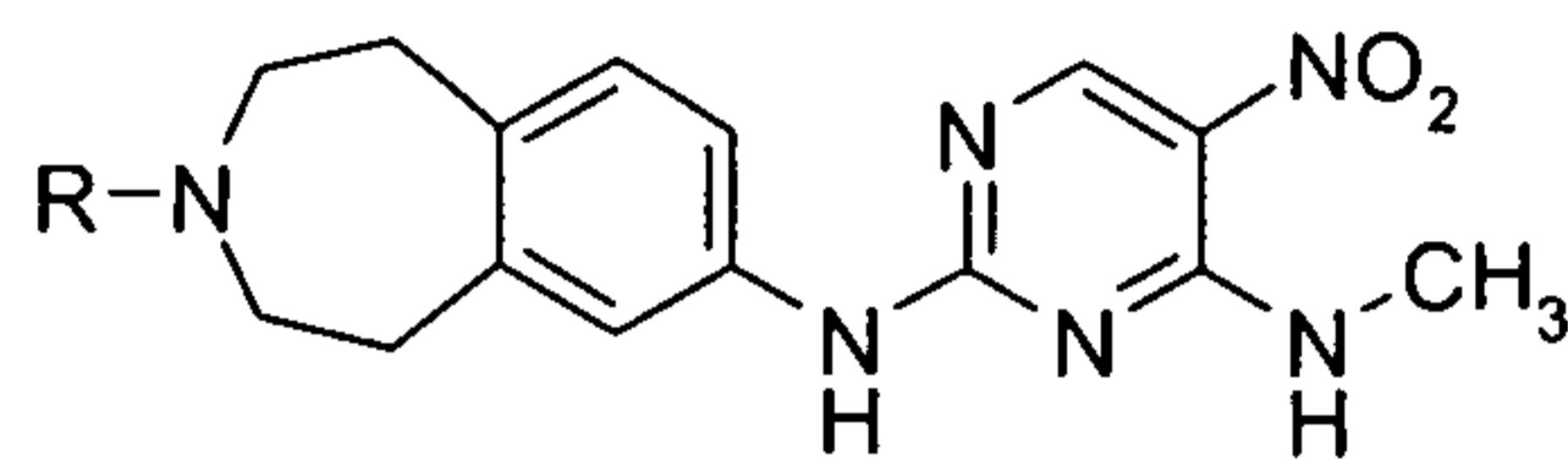


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(b)



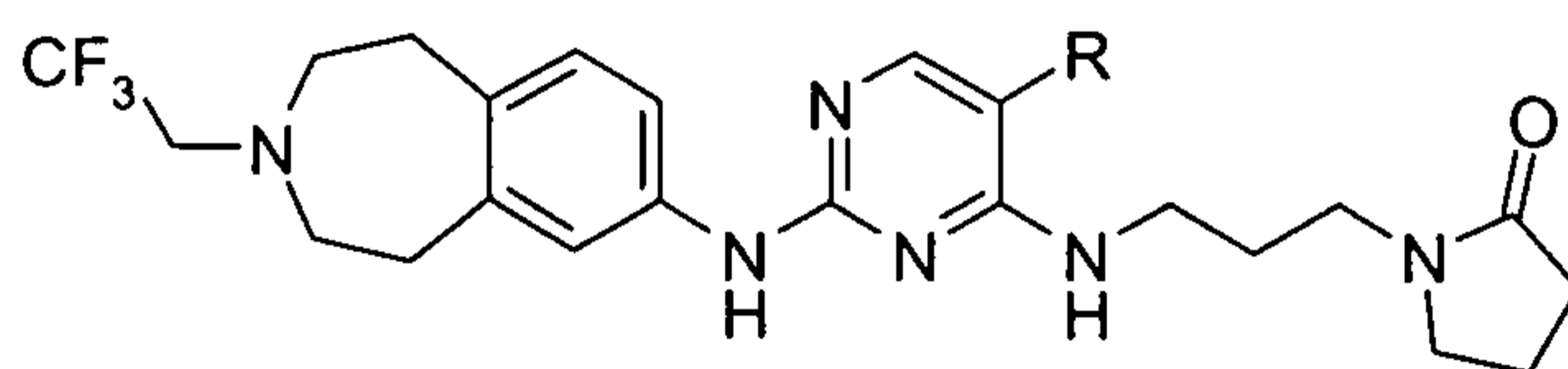
(c)



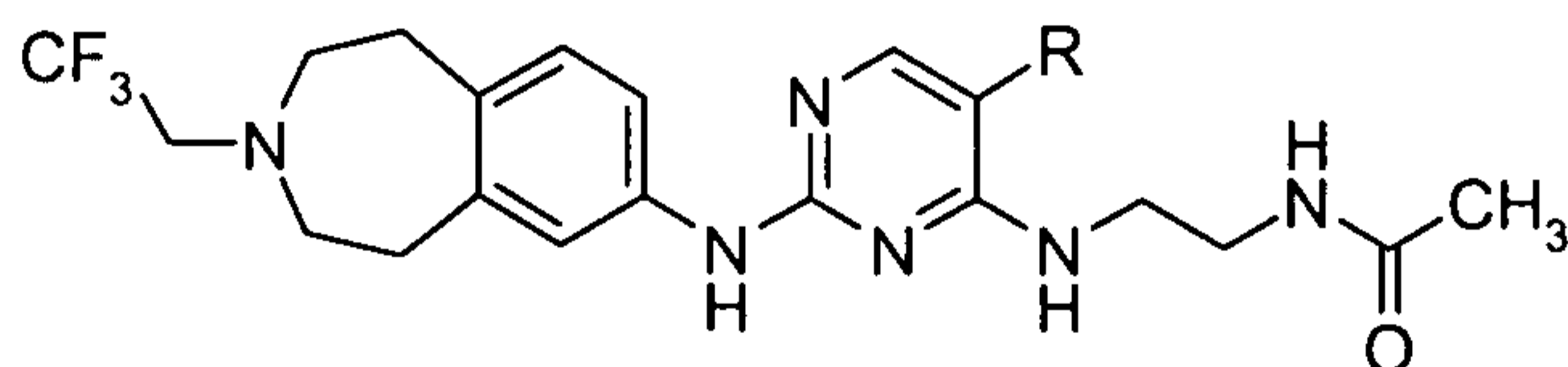
5

wherein R = H or  $-C(=O)CF_3$ ;

(d)

wherein R = Br, Cl, CH<sub>3</sub>, or CF<sub>3</sub>;

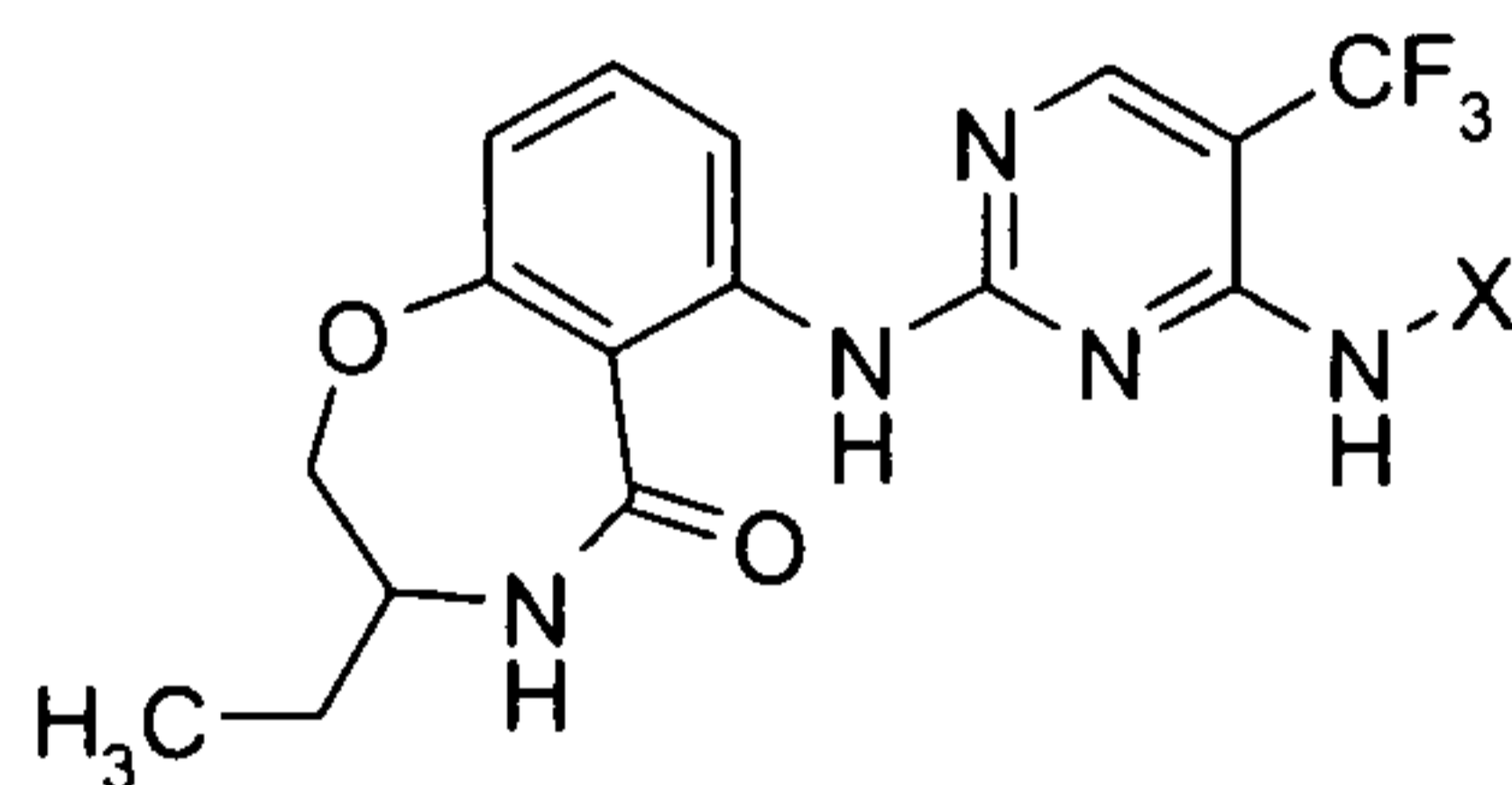
(e)



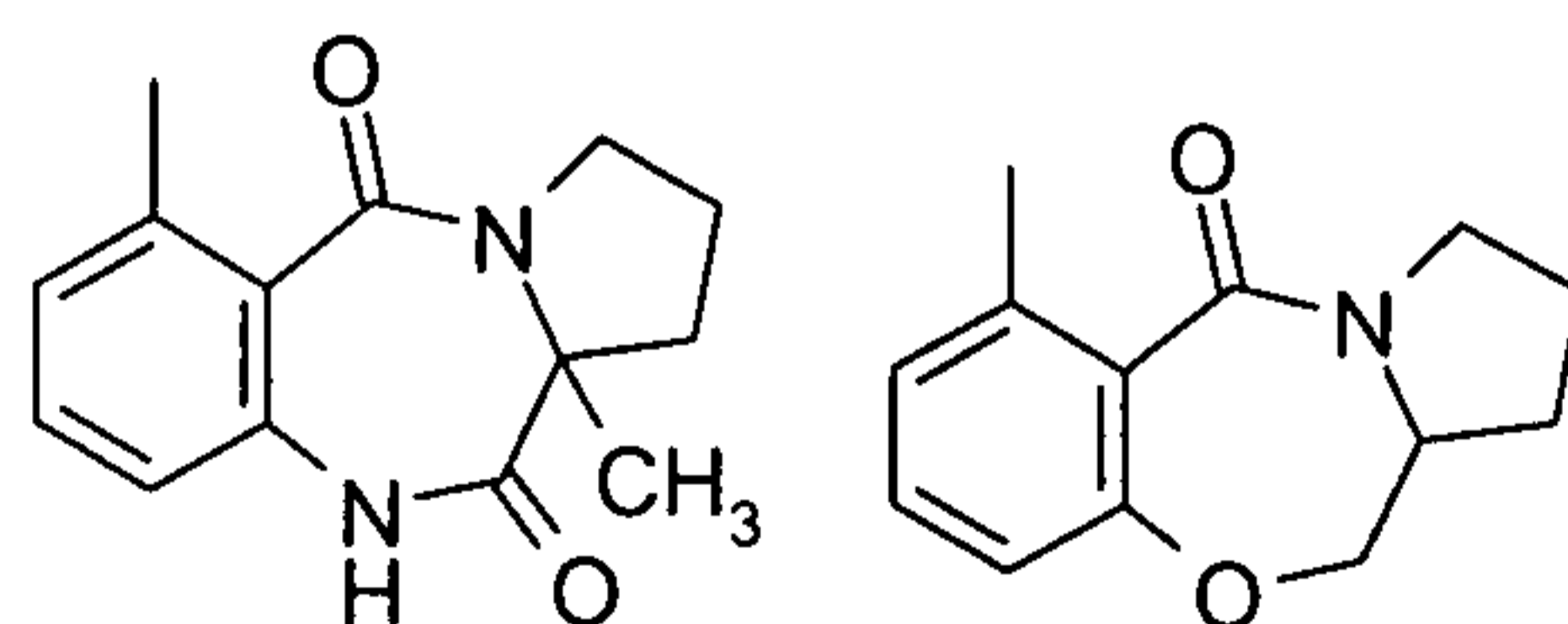
10

wherein R = Br, Cl, or CH<sub>3</sub>;

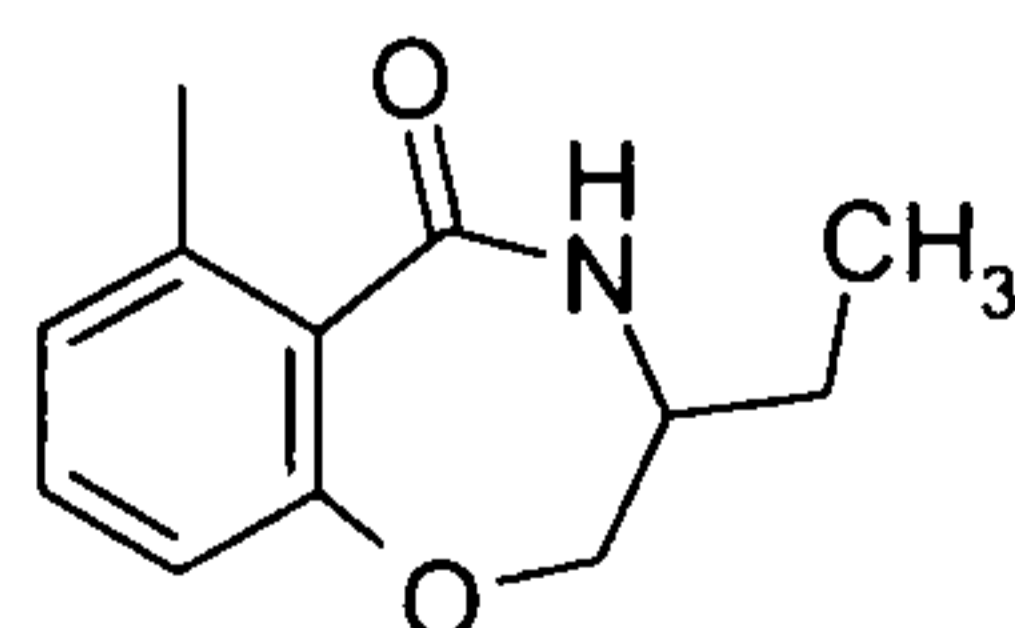
(f)



wherein X =



, or

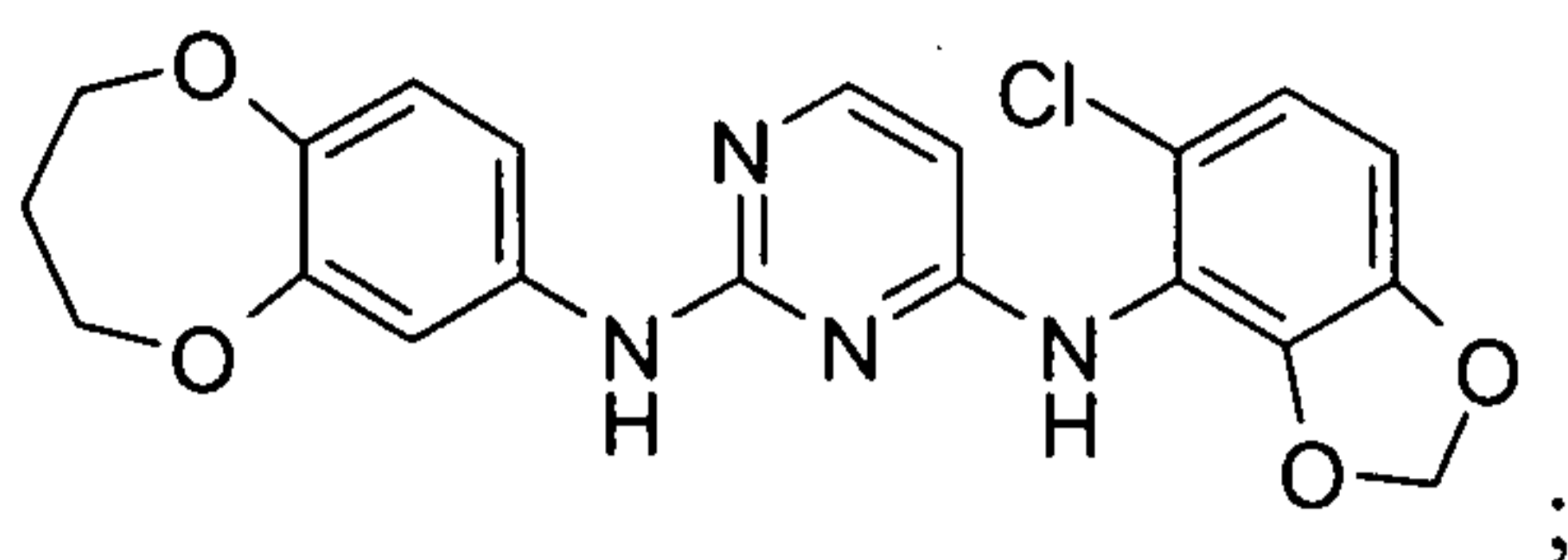


;

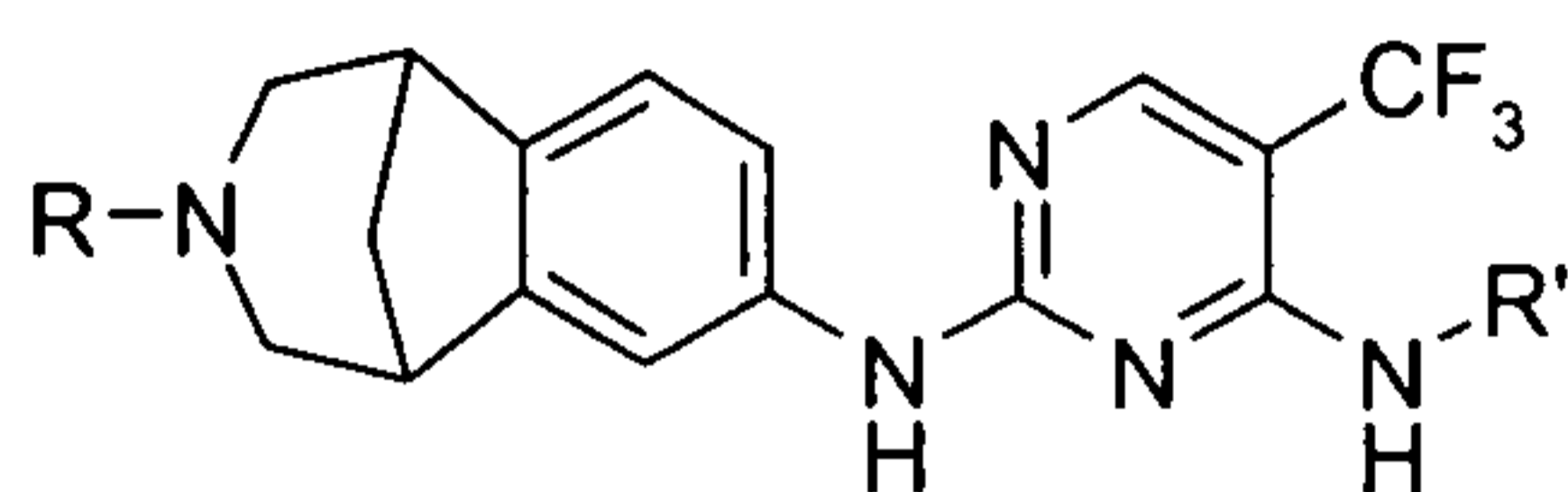
15

(g)



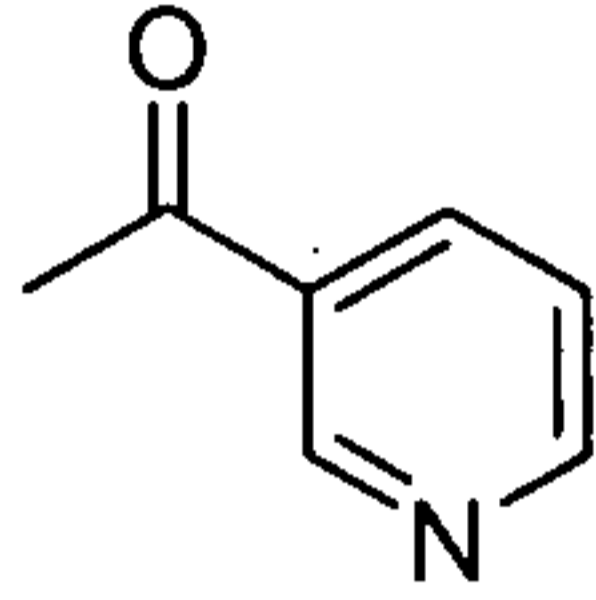


(h)



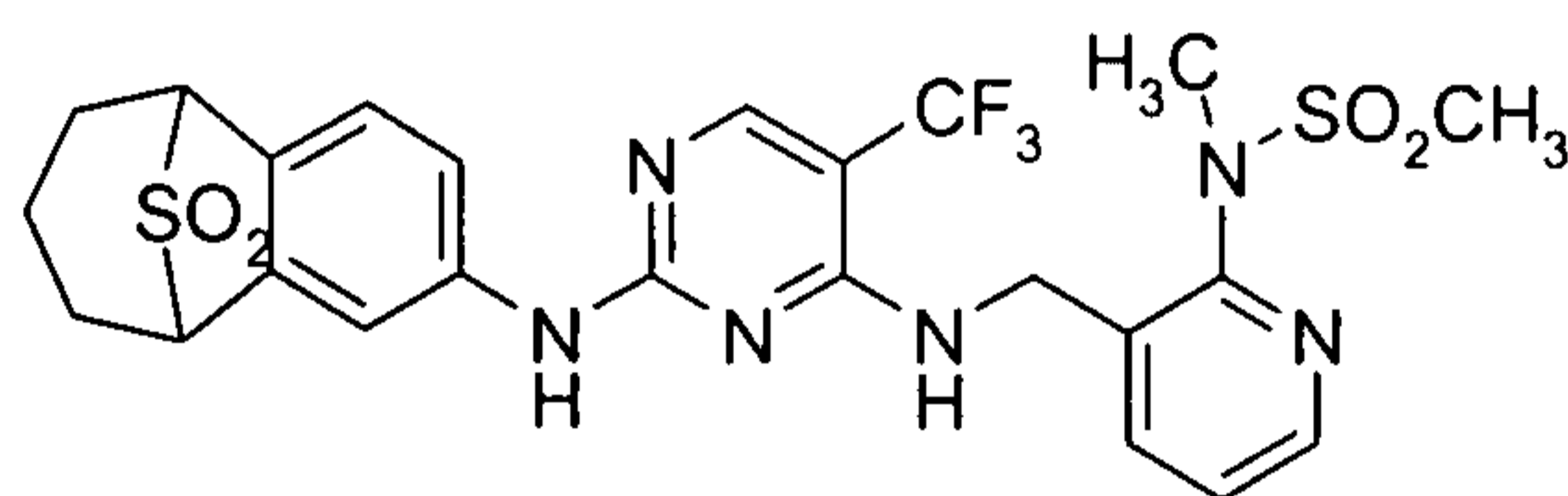
wherein

5 R = H, ethyl,  $-\text{C}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{OCH}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}(\text{CH}_3)_2$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{NHC}(=\text{O})\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CHF}_2$ ,  $-\text{C}(=\text{O})\text{CF}_3$ ,  $-\text{C}(=\text{O})\text{NHCH}_2\text{CH}_3$ ,  $-\text{C}(=\text{O})\text{CH}_2\text{N}(\text{CH}_3)_2$ , 2-

pyridyl, or  $\text{S}(=\text{O})_2\text{CH}_3$ , , and

10 R' = cyclopropyl, cyclobutyl,  $-\text{CH}_2$ -cyclopropyl, ethyl,  $-\text{CH}(\text{CH}_3)_2$ , propyl, methyl, ,  $-(\text{CH}_2)_2\text{OCH}_3$ , or ; or

(i)



15 In one embodiment, the present invention provides one or more of the following compounds of formula I:

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

20 2-[5-Chloro-2-(6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 5 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-hydroxy-ethyl)-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;
- 10 {7-[5-Chloro-4-(2-methylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-2,3,4,5-tetrahydro-benzo[b]azepin-1-yl}-acetic acid methyl ester;
- {7-[5-Chloro-4-(2-methylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-2,3,4,5-tetrahydro-benzo[b]azepin-1-yl}-acetic acid;
- 2-(5-Chloro-2-{1-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino}-pyrimidin-4-ylamino)-N-
- 15 methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[(S)-(2,3,3a,4-tetrahydro-1H,6H-5-oxa-10b-aza-benzo[e]azulen-8-yl)amino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 20 2-{5-Chloro-2-[(S)-(2,3,3a,4-tetrahydro-1H,6H-5-oxa-10b-aza-benzo[e]azulen-8-yl)amino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(7,7a,8,9,10,11-hexahydro-5H-6-oxa-11a-aza-dibenzo[a,c]cyclohepten-3-ylamino)-pyrimidin-4-ylamino]-N-methyl-
- benzamide;
- 25 2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-hydroxy-ethyl)-benzamide;
- 2-{2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-oxazolidin-2-ol;
- 30 2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;



(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanecarboxylic acid amide;

2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

4-Chloro-2-[5-chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;

2-{5-Chloro-2-[3-(2-fluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-{5-Chloro-2-[3-(2-fluoro-2-methyl-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-fluoro-2-methyl-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

2-{5-Chloro-2-[3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-[5-Chloro-2-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

- 2-{5-Chloro-2-[3-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[5-Chloro-2-(2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 2-[5-Chloro-2-(3-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(3-isopropyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 2-[5-Chloro-2-(3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(9-Amino-3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,6,8,9-tetrahydro-7-oxa-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 15 2-[5-Chloro-2-(10-ethyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-isopropyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 20 2-[5-Chloro-2-(10-prop-2-ynyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-methanesulfonyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 25 2-[5-Chloro-2-(10-ethyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 4-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-12-carboxylic acid ethyl ester;
- 2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 30 2-[5-Chloro-2-(12-prop-2-ynyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-cyclopropanecarbonyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



- N-((1R,2R)-2-[5-Chloro-2-(12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5 N-{2-[5-Chloro-2-(12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 2-[5-Chloro-2-(3-chloro-12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5-Chloro-4-[5-chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-12-carboxylic acid  
10 ethyl ester;
- 3-Chloro-4-[5-chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-12-carboxylic acid ethyl ester;
- N-(2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;
- 15 N-((1R,2R)-2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 20 2-[2-(12-Aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-isopropyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(3-chloro-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 25 N-((1R,2R)-2-[2-(12-Aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(12-isopropyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 30 N-((1R,2R)-2-[2-(12-sec-Butyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

- N-((1R,2R)-2-[2-(12-sec-Butyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5 2-[5-Chloro-2-(3-chloro-12-isopropyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-[3-chloro-12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 2-[5-Chloro-2-[5-chloro-12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-((1R,2R)-2-[2-(12-sec-Butyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 15 2-[2-(12-Aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-chloro-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 20 N-((1R,2R)-2-[5-Chloro-2-(3-methoxy-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(12-ethyl-3-methoxy-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 25 (+/-)-2-[5-Chloro-2-(12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (+/-)-2-[5-Chloro-2-(12-methanesulfonyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 30 2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-yl)-pyrimidine-2,4-diamine;

N-{2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

5 2-[5-Chloro-2-(8-methoxy-2-methyl-1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

10 N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

15 N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

20 5-Chloro-N<sup>2</sup>-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

25 2-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

30 N-((1R,2R)-2-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

N-{(1R,2R)-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{5-Chloro-2-[6-methoxy-1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1-(2-methoxy-ethyl)-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[6-methoxy-1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]heptane-2-carboxylic acid amide;

N-{(1R,2R)-2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1R,2R,3S,4S)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;



- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 5 7-[5-Chloro-4-(5-chloro-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 10 (2-*exo*,3-*exo*)-3-[5-Chloro-2-(6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-3,3-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 15 (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-6-methoxy-3,3-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-{(1R,2R)-2-[5-Chloro-2-(1-ethyl-6-methoxy-3,3-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 20 2-[5-Chloro-2-(1-ethyl-6-methoxy-3,3-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-phenyl)-pyrimidine-2,4-diamine;
- 25 5-Chloro-N\*4\*-(5-chloro-2-methoxy-phenyl)-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- N-{(1R,2R)-2-[5-Chloro-2-(1,3-diethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 30 2-[5-Chloro-2-(1,3-diethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5-Chloro-N\*2\*-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-prop-2-ynyl-pyrimidine-2,4-diamine;

- 2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 5 2-[5-chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- (2-exo,3-exo)-3-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-
- 10 trien-4-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[10-(2-methoxy-ethyl)-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[10-(2-methoxy-ethyl)-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-
- 15 trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-
- 20 trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-{(1R,2R)-2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 3-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-azepan-2-one;
- 25 2-[5-Chloro-2-(7-oxo-6,7,8,9-tetrahydro-5H-benzocyclo-hepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-exo,3-exo)-3-[5-Chloro-2-(7-oxo-6,7,8,9-tetrahydro-5H-benzocyclo-hepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 N-{(1R,2R)-2-[5-Chloro-2-(7-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-5,6,8,9-tetrahydro-benzocyclohepten-7-one;



Cis-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]-azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid amide;

(2-exo,3-exo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;

2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-{(1R,2R)-2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

2-[5-Chloro-2-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-{(1R,2R)-2-[5-Chloro-2-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

5-Chloro-N<sup>2</sup>-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(10-methanesulfonyl-12-oxa-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-methyl-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-bromo-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-nitro-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-cyano-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-fluoro-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Bromo-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{5-Bromo-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

5-Chloro-N<sup>2</sup>,N<sup>4</sup>-bis-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-  
pyridine-2,4-diamine;

cis-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-  
pyrimidin-4-ylamino]-cyclohexanecarboxylic acid methylamide;

5 3-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-  
pyrimidin-4-ylamino]-N-methyl-propionamide;

4-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-  
pyrimidin-4-ylamino]-N-methyl-butylamide;

10 5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-[2-(1-  
methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-  
ylamino}-5,6,8,9-tetrahydro-benzocyclohepten-7-one;

5-Chloro-N<sup>4</sup>-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-N<sup>2</sup>-(7-morpholin-4-yl-  
6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;

15 5-Chloro-N<sup>2</sup>-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-  
N<sup>4</sup>-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

7-{5-Chloro-4-[2-(1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-  
dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

20 5-Chloro-N<sup>4</sup>-[2-(1H-imidazol-2-yl)-phenyl]-N<sup>2</sup>-[3-(2-methoxy-ethyl)-  
2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

5-Chloro-N<sup>4</sup>-[2-(1-ethoxymethyl-1H-imidazol-2-yl)-phenyl]-N<sup>2</sup>-[3-(2-  
methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-  
2,4-diamine;

25 7-[5-Chloro-4-(2-pyridin-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-  
1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N<sup>2</sup>-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-  
N<sup>4</sup>-(2-pyridin-2-yl-phenyl)-pyrimidine-2,4-diamine;

N-{2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-  
ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

30 N-((1R,2R)-2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-  
ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-ylamino)-  
pyrimidin-4-ylamino]-N-methyl-benzamide;



(2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5 N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-6-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-{2-[5-Chloro-2-(3-ethyl-6-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

10 2-[5-Chloro-2-(3-ethyl-6-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

(1R,2S)-1-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-indan-2-ol;

2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

15 N-(2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;

5-Chloro-N<sup>4</sup>-(5-chloro-2-methoxy-phenyl)-N<sup>2</sup>-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

20 N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

25 5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-[8-methoxy-3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[8-methoxy-3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

30 N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-3-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 2-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- N-(2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl)-acetamide;
- N-(2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl)-acetamide;
- 2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- N-((1R,2R)-2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



- 2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- 2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(10-cyanomethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-{5-Chloro-2-[10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 15 2-[2-(10-Aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 20 2-[5-Chloro-2-(10-prop-2-ynyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[10-(2-fluoro-ethyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-cyanomethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 25 2-{5-Chloro-2-[10-(2-methoxy-ethyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[2-(10-Acetyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;
- 30 2-[2-(10-Aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

- 2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(10-prop-2-ynyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 5 2-[5-Chloro-2-(10-prop-2-ynyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-N-prop-2-ynyl-benzenesulfonamide;
- 2-[2-(10-Acetyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 10 2-{4-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-10-yl}-2,2,2-trifluoro-ethanone;
- N-(2-{5-Chloro-2-[10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;
- 15 N-((1R,2R)-2-{5-Chloro-2-[(1R,8S)-10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[(1S, 8R)-10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 20 N-((1R,2R)-2-[2-(10-Aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 25 N-((1R,2R)-2-[2-(10-Acetyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 30 N-((1R,2R)-2-[5-Chloro-2-(10-Isopropyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



- 2-{2-[3-Bromo-10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-5-chloro-pyrimidin-4-ylamino}-N-methylbenzamide;
- 5 N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-ethyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-ethyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-1-methyl-ethyl}-methanesulfonamide;
- 10 N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-1-methyl-ethyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-propyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-propyl)-methanesulfonamide;
- 15 N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-1,1-dimethyl-ethyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-1,1-dimethyl-ethyl)-methanesulfonamide;
- 20 N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-2-methyl-propyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-2-methyl-propyl}-methanesulfonamide;
- 25 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5,N-dimethyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidine-4-ylamino}-3-fluoro-N-methyl-benzamide;

- 3-Chloro-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidine-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3,N-dimethyl-benzamide;
- 5 3,5-Dichloro-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-N-methyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 10 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3,5,N-trimethyl-benzamide;
- trans*-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexanol;
- 15 *trans*-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanol;
- 5-Chloro-N\*2\*-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 20 2-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 25 5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 30 N-{2-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 7-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepine-3-carboxylic acid dimethylamide;



2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

N-((1R,2R)-2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

(S)-3-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1,1,1-trifluoro-propan-2-ol;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;

2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

(R)-3-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1,1,1-trifluoro-propan-2-ol;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

N-((1R,2R)-2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;

- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-isopropyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyclopropyl-benzamide;
- 5 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-isopropyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyclopropyl-benzamide;
- 10 7-[4-(2-Acetyl-phenylamino)-5-chloro-pyrimidin-2-ylamino]-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 3-Chloro-2-[5-chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 15 trans-2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanecarboxylic acid amide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-piperidin-1-yl-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)pyrimidin-4-ylamino]-5-morpholin-4-yl-benzamide;
- 20 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-{5-chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 25 2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Bromo-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 30 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3,N-dimethyl-benzamide;
- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;



- N-(trans-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopentyl)-methanesulfonamide;
- 5 cis-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopentanecarboxylic acid methylamide;
- cis-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid methylamide;
- 10 N-{trans-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentyl}-methanesulfonamide;
- cis-2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid methylamide;
- 15 2-[5-Bromo-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 20 N-[(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl]-methanesulfonamide;
- 2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 25 N-[(1R,2R)-2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl]-methanesulfonamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- N-{(1R,2R)-2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 5 3-Chloro-2-[5-chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 10 N-{(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 N-{(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-acetamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 20 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 25 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 2-[5-Chloro-2-(1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 30 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(4-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;



- 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 5 2-{5-Chloro-2-[1-(2-diethylamino-ethyl)-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 10 2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 15 2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- N-{2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 20 N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 25 N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 30 N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

- N-((1R,2R)-2-[5-Chloro-2-(7-chloro-1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5 2-[5-Chloro-2-(1-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- N-(2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;
- 10 N-((1R,2R)-2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(7-chloro-1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 15 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)methanesulfonamide;
- 20 5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 25 5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(3-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-acetamide;
- N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-2,2,2-trifluoro-acetamide;
- 30 3-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-1,1-dimethyl-urea;
- 2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;



N-((1R,2R)-2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5 N-((1R,2R)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-2,2,2-trifluoro-acetamide;

N\*4\*-((1R,2R)-2-Amino-cyclohexyl)-5-chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

10 2,2,2-Trifluoro-ethanesulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;

Ethanesulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;

15 Cyclopropanesulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;

20 Propane-2-sulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;

2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0(2,7)]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;

25 2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0(2,7)]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-3-fluoro-benzoic acid isopropyl ester;

(2-endo,3-endo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid ethyl ester;

30 (2-endo,3-endo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

3-Chloro-2-[5-chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

(S)-3-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1,1,1-trifluoro-propan-2-ol;

N-{2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

{8-[5-Chloro-4-(2-methanesulfonylamino-phenylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid methyl ester;

Acetic acid 2-{8-[5-chloro-4-(2-methanesulfonylamino-phenylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-ethyl ester;

N-{2-[5-Chloro-2-(4-methanesulfonyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

Acetic acid 2-{8-[5-chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-ethyl ester;

N-((1R,2R)-2-[5-Chloro-2-(4-methanesulfonyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[4-(2-hydroxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(4-cyclopropylmethyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



- N-((1R,2R)-2-[5-Chloro-2-(1-methyl-4-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5 8-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid dimethylamide;
- N-((1R,2R)-2-{5-Chloro-2-[4-(imidazole-1-carbonyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 10 2-[5-Chloro-2-(4-methanesulfonyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-
- 15 benzamide;
- 2-{5-Chloro-2-[4-(2-hydroxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 20 2-{5-Chloro-2-[4-(imidazole-1-carbonyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-4-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 25 2-[5-Chloro-2-(1-methyl-4-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-N-prop-2-ynylbenzamide;
- 8-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid
- 30 dimethylamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

- (2-exo,3-exo)-3-{5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 5 N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-1-methyl-4-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-(7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 10 5-Chloro-N\*2\*-(4-methanesulfonyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[7-methoxy-4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 15 (R)-3-{8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-7-methoxy-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-1,1,1-trifluoro-propan-2-ol;
- N-((1R,2R)-2-{5-Chloro-2-[1-methyl-7-(2,2,2-trifluoro-ethoxy)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 20 N-((1R,2R)-2-{5-Chloro-2-[1-methyl-7-(2,2,2-trifluoro-ethoxy)-4-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 25 N-((1R,2R)-2-[5-Chloro-2-(1-isopropyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(3,4-dihydro-2H-benzo[b][1,4]dioxepin-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 30 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl benzamide;



2-[5-chloro-2-(4-methyl-5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(4-ethyl-5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

5 2-[5-Chloro-2-(6,7,8,9-tetrahydro-5-thia-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(8-ethyl-6,7,8,9-tetrahydro-5-thia-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

10 N-{2-[3-Chloro-2-(6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

15 N-((1R,2R)-2-[5-Chloro-2-(5,5-dioxo-6,7,8,9-tetrahydro-5H-5lambda\*6\*-thia-8-aza-benzoylcyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[8-(2-methoxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino]pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

20 2-{5-Chloro-2-[8-(2-methoxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

N-{2-[5-Chloro-2(5,5dioxo-6,7,8,9-tetrahydro-5H-5lambda\*6\*-thia-8-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

25 N-((1R,2R)-2[5-Chloro-2-(2,3,4,5-tetrahydro-benzo[f]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[8-(2-hydroxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-azabenzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}cyclohexyl)-methanesulfonamide;

30 Acetic acid 2-{2-[5-chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-6,7-dihydro-9H-5-thia-8-aza-benzocyclohepten-8-yl}-ethyl ester;

Acetic acid 2-{2-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-6,7-dihydro-9H-5-thia-8-aza-benzoylcyclohepten-8-yl}-ethyl ester;

2-{5-Chloro-2-[8-(hydroxyl-ethyl)-6,7,8,9-tetrahydro-5-thia -8-aza-benzoylcyclohepten-2-ylamnio]-pyrimidin-4-ylamino}-N-methylbenzamide;

(2-exo-3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;

(2-exo-3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid dimethylamide;

(2-exo-3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid isopropylamide;

(2-exo-3-exo)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;

(2-exo-3-exo)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid isopropylamide;

(2-exo-3-exo)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid dimethylamide;

2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-N-methylbenzamide;

2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxybenzoic acid isopropyl ester;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-N-methylbenzamide;

N\*4\*-[2-exo-3-exo)-3-(1H-Benzoimidazol-2-yl)-bicyclo[2.2.1]hept-5-en-2-yl]-5-chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;



5-Chloro-N<sup>2</sup>\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>\*-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(2-exo-3-exo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;

2-{7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-N-methylbenzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-methoxy-N-methyl-benzamide;

7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(2-exo-3-exo)-3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;

2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-methoxy-N-methylbenzamide;

5-Chloro-N<sup>4</sup>\*-(4-methoxy-2-pyrazol-1-yl-phenyl)-N<sup>2</sup>\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;

2-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;

(2-exo-3-exo)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;

- (2-exo-3-exo)-3-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;
- 2-{7-[5-Chloro-4-(4-morpholin-4-yl-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 7-[5-Chloro-4-(4-morpholin-4-yl-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[4-(4-methyl-piperazin-1-yl)-2-pyrazol-1-yl-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 1-{4-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-pyrazol-1-yl-phenyl}-piperidine-4-carboxylic acid;
- 1-{4-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-pyrazol-1-yl-phenyl}-piperidine-4-carboxylic acid;
- 2-{7-[5-Chloro-4-(4-dimethylamino-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- (1S,2S,3R,4R)-3-[2-((S)-7-Acetylamino-1-methoxy-9-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- {7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-[1,4]dioxan-2-yl-methanone;
- 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- 5-Chloro-N<sup>2</sup>-(3-[1,4]dioxan-2-ylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 5 2-[5-Chloro-2-(3-[1,4]dioxan-2-ylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 10 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 15 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynylbenzamide;
- 2-[5-Chloro-2-(3-[1,4]dioxan-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N<sup>2</sup>-(3-[1,4]dioxan-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 20 2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 5-Chloro-N<sup>4</sup>-(2-ethyl-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-[7-(2,2,2-trifluoroethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- 25 (1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino-cyclohexanecarboxylic acid amide;
- 1S,2R,3S,4R)-3-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 30 5-Chloro-N<sup>4</sup>-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-N<sup>2</sup>-[7-(2,2,2-trifluoroethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5 5-Chloro-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-N\*2\*-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;

5-Chloro-N\*4\*-(2-methoxy-phenyl)-N\*2\*-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;

10 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

15 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

20 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-methoxy-phenyl)-pyrimidine-2,4-diamine;

25 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic;

30 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-isopropyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

N-((1R,2R)-2-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



3-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

3-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-1-isopropyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-methyl-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

(1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-methyl-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

1S,2S,3R,4R)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

1S,2S,3R,4R)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;

2-{5-Chloro-2-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

5-Chloro-N\*2\*-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

(1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



(1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5 N-((1R,2R)-2-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

10 1-(2-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;

15 1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

20 N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

25 (1S,2S,3R,4R)-3-(5-Chloro-2-{1-methoxy-7-[(2-methoxy-ethyl)-methyl-amino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-(5-Chloro-2-{1-methoxy-7-[(2-methoxy-ethyl)-methyl-amino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

30 N-[(1R,2R)-2-(5-Chloro-2-{1-methoxy-7-[(2-methoxy-ethyl)-methyl-amino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-cyclohexyl]-methanesulfonamide;

- 1-(2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 5 2-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino)-ethanol;
- 2-{2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino}-ethanol;
- 10 N-((1R,2R)-2-{5-Chloro-2-[4-(2-methoxy-ethyl)-2,3,4,5-tetrahydrobenzo[f][1,4]oxazepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidin-2,4-diamine;
- 15 2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-benzoic acid 2-methoxy-ethylester;
- (2-exo,3-exo)-3-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 20 5-Chloro-N\*2\*-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- (2-exo,3-exo)-3-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4-ylamino]bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 25 2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- 5-Chloro-N\*4\*(5-chloro-2-methoxy-phenyl-N\*2\*-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-pyrimidine)-2,4-diamine;
- 30 (1S,2S,3R,4R)-3[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin--8-ylamino)-pyrimidin-4ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- 5-Chloro-N\*2\*,N\*4\*-bis(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-pyrimidin-2,4-diamine;
- 8-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-1,4-diethyl-1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-one;
- 2-{{7-[5-Chloro-4-[1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-2-ylamino]-pyrimidin-2-ylamino]}-8-methoxy-1,2,3,4-tetrahydro-benzo[d]azepin-3-yl-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,3,4-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-7-methoxy-4-(2-methoxy-ethyl)-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-{8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-7-methoxy-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 8-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- {2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-[8-(2-methoxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-azabenzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- 2-({5-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-2-fluoro-benzyl}-ethyl-amino)-ethanol;

2-{7-[5-Chloro-4-(3-{[ethyl-(2-hydroxy-ethyl)-amino]-methyl}-4-fluoro-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

5 N,N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,4-diethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;

10 2-[5-Chloro-2-(1,4-diethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N,Ndimethyl-benzenesulfonamide;

(1S,2,,3R,4R)-3-[5-Chloro-2-(1,4-diethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo(2.2.1)hept-5-ene-2-carboxylic acid amide;

15 2-([5-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-2-fluoro-benzyl}-ethylamino)-ethanol;

(1S,2S,3R,4R)-3-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)]bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;

(1S,2S,3R,4R)-3-[5-Chloro-2-(7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-((1R,2R)-2-[5-Chloro-2-(4-ethyl-7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

(1S,2S,3R,4R)-3[5-Chloro-2-(4-cyanomethyl-7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo(2.2.1)hept-5-ene-2-carboxylic acid amide;

30 N-((1R,2R)-2-[5-Chloro-2-(4-cyclopropylmethyl-7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



- (1S,2S,3R,4R)-3-[5-Chloro-2-[4-cyclopropylmethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo(2.2.1)hept-5-ene-2-carboxylic acid amide;
- 8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-cyclopropylmethyl-7-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 8-(5-Chloro-4-{3-[(2-hydroxy-ethylamino)-methyl]-4-methoxy-phenylamino}-pyrimidin-2-ylamino)-4-ethyl-7-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 6-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-4-methanesulfonyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-{7-[5-Chloro-4-(4-methanesulfonyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo(d)azepin-3-yl}-N,Ndimethyl-acetamide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (2-exo,3-exo)-3-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-benzamide;

5-Chloro-N\*4\*-(5-chloro-2-methoxy-phenyl)-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

(2-exo,3-exo)-3-{2-[3-(2,2-Difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-fluoro-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-(7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;

5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;

7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-3-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-3-propyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-cyclopropylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-isopropyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-3-fluorobenzamide;

7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

5-Chloro-N\*2\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;



5-Chloro-N<sup>2</sup>-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

5-Chloro-N<sup>2</sup>-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;

(1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-(7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N-methyl-acetamide;

N-((1R,2R)-2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5-Chloro-N<sup>4</sup>-(5-chloro-2-methoxy-phenyl)-N<sup>2</sup>-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-benzamide;

2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-3-fluoro-benzamide;

5-Chloro-N<sup>2</sup>-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;

2-(7-{5-Chloro-4-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;

2-(7-{5-Fluoro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;

- 2-(7-{5-Chloro-4-[2-methoxy-4-(2-oxa-5-aza-bicyclo[2.2.1]hept-5-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 5 2-(7-{5-Chloro-4-[4-(5-ethyl-2,5-diaza-bicyclo[2.2.1]hept-2-yl)-2-methoxy-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(3-methyl-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 10 2-(7-{5-Fluoro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N-methyl-acetamide;
- 2-(7-{5-Chloro-4-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N-methyl-acetamide;
- 15 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;
- {7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetic acid isopropyl este;r
- 20 2-{7-[5-Chloro-4-(2-methyl-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-methyl-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 25 2-{7-[5-Chloro-4-(3-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 30 2-(7-{5-Chloro-4-[3-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;



- 5-Fluoro-N<sup>2</sup>-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 5 (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-(7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-acetamide;
- 10 2-{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-
- 15 acetamide;
- 2-{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;
- {7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetic acid
- 20 isopropyl ester;
- 2-{7-[5-Chloro-4-(2,4-dimethoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- (1S,2S,3R,4R)-3-[2-(3-Carbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-
- 25 bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N<sup>2</sup>-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 30 (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

2-[7-(5-Chloro-4-{2-methoxy-4-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-phenylamino}-pyrimidin-2-ylamino)-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl]-N,N-dimethyl-acetamide;

2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-{7-[5-Chloro-4-(2-methanesulfonylamino-4-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

5-Chloro-N\*2\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

2-{7-[5-Chloro-4-(2-dimethylamino-4-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;



- 5-Chloro-N<sup>2</sup>-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5 5-Chloro-N<sup>2</sup>-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{7-[5-Chloro-4-(4-methoxy-2-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 10 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-methyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-fluoro-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 15 2-{7-[5-Chloro-4-(4-chloro-2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 20 2-{7-[5-Chloro-4-(4-dimethylamino-2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 25 2-[7-(5-Chloro-4-{2-methoxy-4-[4-(1-methyl-piperidin-4-yl)-piperazin-1-yl]-phenylamino})-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 30 2-(7-{5-Chloro-4-[2-(morpholine-4-sulfonyl)-phenylamino]-pyrimidin-2-ylamino})-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-(4-methyl-piperazine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino})-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;

- 5-Chloro-2-{5-chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-  
2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-  
N,N-dimethyl-benzenesulfonamide;
- 5-Chloro-2-{5-chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-  
benzenesulfonamide;
- 5-Chloro-2-{5-chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-  
benzenesulfonamide;
- 5-Chloro-2-{5-chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-  
tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-  
dimethyl-benzenesulfonamide;
- 5-Chloro-2-(5-chloro-2-{8-methoxy-3-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-  
2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino}-pyrimidin-4-ylamino)-  
N,N-dimethyl-benzenesulfonamide;
- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-trifluoromethyl-phenylamino)-  
pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-  
N,N-dimethyl-acetamide;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-  
tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-  
phenyl]-pyrimidine-2,4-diamine;
- 2-(7-{5-Chloro-4-[2-((R)-3-dimethylamino-pyrrolidine-1-sulfonyl)-phenylamino]-  
pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-  
N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-((S)-3-dimethylamino-pyrrolidine-1-sulfonyl)-phenylamino]-  
pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-  
N,N-dimethyl-acetamide;
- 2-{1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-acetamide;
- 2-(1-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-  
tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-  
cyclohexyl)-acetamide;
- 2-(1-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-acetamide;



- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-dimethylamino-N,N-dimethylbenzenesulfonamide;
- 5 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-5-morpholin-4-ylbenzenesulfonamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-dimethylamino-N,N-dimethylbenzenesulfonamide;
- 10 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-5-morpholin-4-ylbenzenesulfonamide;
- 5-Chloro-N(2)-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N(4)-[2-((S)-3-methyl-pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 15 2-(7-{5-Chloro-4-[2-((S)-3-methyl-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-ethanol;
- 2-(7-{5-Chloro-4-[2-((S)-3-methyl-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 20 5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- 25 3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-methoxy-7-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 30 (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-7-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-benzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-((R)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

N-((1R,2R)-2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-[(1R,2R)-2-(5-Chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino})-pyrimidin-4-ylamino]-cyclohexyl]-methanesulfonamide;

(1S,2S,3R,4R)-3-(5-Chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino})-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-((1R,2R)-2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;

2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;

5-Chloro-N\*4\*-(2-methoxy-phenyl)-N\*2\*-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;

(1S,2S,3R,4R)-3-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- (2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetonitrile;  
5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 5
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 10
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 20
- 5-Chloro-N<sup>2</sup>-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N<sup>4</sup>-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 25
- 3-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-azepan-2-one;
- (1S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid 2-methoxy-ethyl ester;
- 30
- (1S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid 2-methoxy-ethyl ester;

- 1-{2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzenesulfonyl}-pyrrolidin-3-ol;
- 5 2-{5-Chloro-2-[7-(3-hydroxy-piperidin-1-yl)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 1-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-yl)-piperidin-3-ol;
- 10 (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(3-hydroxy-piperidin-1-yl)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(3-hydroxy-piperidin-1-yl)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 2-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 20 2-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 1-{2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-yl}-piperidin-3-ol;
- 25 5-Chloro-N\*2\*-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 30 (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{2-[1-(2-Methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-5-trifluoromethyl-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{2-[3-(2-Methoxyethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-trifluoromethylpyrimidin-4-ylamino}-3,N-dimethylbenzamide;
- N-Methyl-2-[2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-benzamide;
- N(2)-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-5-trifluoromethylpyrimidine-2,4-diamine;
- 3-Fluoro-2-{2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-5-trifluoromethyl-pyrimidin-4-ylamino}-N-methyl-benzamide;
- {3-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- {2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 4-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-methoxy-N-propyl-benzamide;
- {2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenoxy}-acetonitrile;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenoxy)-acetonitrile;
- 2-(7-Methoxy-8-{4-[2-(propane-2-sulfonyl)-phenylamino]-5-trifluoromethyl-pyrimidin-2-ylamino}-1,2,4,5-tetrahydro-3-benzazepin-3-yl)-N,N-dimethyl-acetamide;
- (1S,2S,3R,4R)-3-[2-(3-Dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{2-[3-(2-Methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-5-trifluoromethyl-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- (1S,2S,3R,4R)-3-[2-(7-Morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5 7-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-2-methyl-2,3-dihydro-isoindol-1-one;
- 2-{7-[5-Chloro-4-(7-methoxy-2-methyl-3-oxo-2,3-dihydro-1H-isoindol-4-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-3-benzazepin-3-yl}-N,N-dimethyl-acetamide;
- 10 7-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methoxy-2-methyl-2,3-dihydro-isoindol-1-one;
- 7-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methoxy-2-methyl-2,3-dihydro-isoindol-1-one;
- 15 (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-
- 20 bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N(2)-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-
- 25 benzocyclohepten-2-yl)-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzoic acid isopropyl ester;
- 30 N-((1R,2R)-2-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



- 7- $\{5\text{-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}\}$ -4-(4-isopropyl-piperazin-1-yl)-2-methyl-2,3-dihydro-isoindol-1-one;
- 5 2-(7- $\{5\text{-Chloro-4-[7-(4-isopropyl-piperazin-1-yl)-2-methyl-3-oxo-2,3-dihydro-1H-isoindol-4-ylamino]-pyrimidin-2-ylamino}\}$ -8-methoxy-1,2,4,5-tetrahydro-3-benzazepin-3-yl)-N,N-dimethyl-acetamide;
- 5-Chloro-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-N(2)-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 10 7- $\{5\text{-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}\}$ -4-(4-isopropyl-piperazin-1-yl)-2-methyl-2,3-dihydro-isoindol-1-one;
- 5- $\{5\text{-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}\}$ -1H-pyrazole-3-carboxylic acid amide;
- 15 5-Chloro-N(2)- $\{3\text{-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl}\}$ -N(4)-(5-methyl-2H-pyrazol-3-yl)-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3- $\{5\text{-Chloro-2-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}\}$ -bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 20 2- $\{5\text{-Chloro-2-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}\}$ -N,N-dimethyl-benzenesulfonamide;
- N-((1R,2R)-2- $\{5\text{-Chloro-2-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}\}$ -cyclohexyl)-methanesulfonamide;
- 25 5-Chloro-N(2)- $\{1\text{-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl}\}$ -N(4)- $\{2\text{-(propane-2-sulfonyl)-phenyl}\}$ -pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3- $\{5\text{-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}\}$ -bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 2-(2- $\{5\text{-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}\}$ -1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-6-ylamino)-ethanol;

- (R)-1-(2-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 5 (S)-1-(2-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 2-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-6-ylamino)-ethanol;
- 10 N-((1R,2R)-2-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 7-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 15 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(5-methyl-[1,3,4]thiadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(5-methyl-[1,3,4]thiadiazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 20 7-[5-Chloro-4-(2-pyrazin-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-pyrimidin-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 25 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrimidin-2-yl-phenyl)-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(2-thiazol-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-thiazol-2-yl-phenyl)-pyrimidine-2,4-diamine;
- 30 7-(5-Chloro-4-{2-[1-(2-methoxy-ethyl)-1H-imidazol-2-yl]-phenylamino}-pyrimidin-2-ylamino)-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;



- 5-Chloro-N\*4\*-{2-[1-(2-methoxy-ethyl)-1H-imidazol-2-yl]-phenyl}-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-oxazol-5-yl-phenyl)-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-oxazol-5-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 6-{2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-1H-pyrimidine-2,4-dione;
- 7-{5-Chloro-4-[2-(3-methoxy-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-methoxy-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(3-trifluoromethyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-trifluoromethyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(3-pyridin-3-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-oxazol-5-yl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5 2-(7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 10 7-{5-Chloro-4-[2-(4-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(4-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 15 7-{5-Chloro-4-[2-(5-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(5-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(1-methyl-1H-benzoimidazol-4-ylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 20 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(1-methyl-1H-benzoimidazol-4-yl)-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(1-methyl-1H-benzoimidazol-4-ylamino)-pyrimidin-2-ylamino]-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 25 7-{5-Chloro-4-[2-(6-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(6-methyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 30 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;



- 7-{5-Chloro-4-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5 7-[5-Chloro-4-(2-trifluoromethyl-1H-benzoimidazol-5-ylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-trifluoromethyl-1H-benzoimidazol-5-yl)-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(2-trifluoromethyl-1H-benzoimidazol-5-ylamino)-pyrimidin-2-ylamino]-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 10 (1S,2S,3R,4R)-3-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*4\*-[2-(3-methoxy-pyridin-2-yl)-phenyl]-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 15 2-{5-Chloro-4-[2-(3-methoxy-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;
- 5-Chloro-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 20 2-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-propyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-propyl-benzamide;
- 25 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-propyl-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-propyl-benzamide;
- 30 2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-propyl-benzamide;
- N-Butyl-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;

- N-Butyl-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzamide;
- N-Butyl-2-[5-chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;
- 5 N-Butyl-2-[5-chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;
- N-Butyl-2-{5-chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzamide;
- 10 2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 2-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 5-Chloro-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 15 2-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;
- 5-Chloro-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;
- 20 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methyl-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methyl-benzamide;
- 25 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-fluoro-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-fluoro-benzamide;
- 30 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-cyano-ethyl)-3-fluoro-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;



- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- 5 (1S,2S,3R,4R)-3-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-
- 10 bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-
- 15 benzocyclohepten-2-yl)-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- N-{(1R,2R)-2-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 20 5-Chloro-N\*2\*-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-
- 25 bicyclo[2.2.1]hept-5-ene-2-carboxylic acidamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acidamide;
- 2-[5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-
- 30 benzenesulfonamide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5 N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 10 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-cyano-ethyl)-3-methoxy-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-methoxy-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-methoxy-benzamide;
- 15 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-methoxy-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methoxy-benzamide;
- 20 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methoxy-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- 25 5-Chloro-N\*2\*-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 1-(2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 30 2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;



- 5-Chloro-N<sup>2</sup>-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino)-ethanol;
- 1-(2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-(2-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino)-ethanol;
- 2-{2-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino}-ethanol;
- 2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzoic acid 2-methoxy-ethyl ester;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5 (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 1-(2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 10 2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-
- 15 2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 20 N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 25 (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-(3-dimethylamino-propyl)-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]pyrimidin-4-ylamino}-benzoic acid
- 30 isopropyl ester;
- 2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;



2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;

2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

(2-exo,3-exo)-3-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{7-[5-Chloro-4-(5-chloro-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

1-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-2-dimethylamino-ethanone;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-dimethylamino-acetyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

2-{5-Chloro-2-[8-methoxy-3-(3-morpholin-4-yl-propyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;

2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-(3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-{7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

1-{7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-2-dimethylamino-ethanone;

5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-phenyl)-pyrimidine-2,4-diamine;

2-{7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

3-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methoxy-benzamide;

3-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-benzamide;

3-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methoxy-benzamide;

3-{5-Chloro-2-[3-(2-dimethylamino-acetyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-benzamide;

3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-benzamide;

2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;



2-{7-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-{7-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;

2-{7-[5-Chloro-4-(2-ethoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-{7-[5-Chloro-4-(3-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

4-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methoxy-benzamide;

2-{7-[5-Chloro-4-(2-cyanomethoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methanesulfonyl-phenyl)-pyrimidine-2,4-diamine;

2-{7-[5-Chloro-4-(5-cyano-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-{7-[5-Chloro-4-(4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;

2-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

4-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-benzamide;

2-{7-[5-Chloro-4-(5-cyano-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;

- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1-pyrrolidin-1-yl-ethanone;
- 5 4-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-benzamide;
- 2-{5-Chloro-2-[8-methoxy-3-(2-oxo-2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 10 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-1-pyrrolidin-1-yl-ethanone;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-oxo-2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-oxo-2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 4-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-benzamide;
- 20 2-(7-{5-Chloro-4-[4-methoxy-2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(4-cyano-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 25 5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 30 2-{7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;



- 5-Chloro-N<sup>4</sup>-(4-dimethylamino-2-methoxy-phenyl)-N<sup>2</sup>-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-methoxy-4-(2-methoxy-ethoxy)-phenyl]-pyrimidine-2,4-diamine;
- 2-(7-{5-Chloro-4-[2-methoxy-4-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(8-methoxy-3-oxazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 2-{5-Chloro-2-[8-methoxy-3-(1-methyl-1H-imidazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- 5-Chloro-N<sup>4</sup>-(4-dimethylamino-2-methoxy-phenyl)-N<sup>2</sup>-(8-methoxy-3-oxazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>-(4-dimethylamino-2-methoxy-phenyl)-N<sup>2</sup>-[8-methoxy-3-(1-methyl-1H-imidazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>-[2-methoxy-4-(2-methoxy-ethoxy)-phenyl]-N<sup>2</sup>-(8-methoxy-3-oxazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>-[2-methoxy-4-(2-methoxy-ethoxy)-phenyl]-N<sup>2</sup>-[8-methoxy-3-(1-methyl-1H-imidazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 4-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methoxy-N-methylbenzamide;
- 4-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-N-methyl-benzamide;

- 5-Chloro-N<sup>2</sup>-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5 (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;
- 10 2-(7-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 4-[5-Chloro-2-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methoxy-N-methyl-
- 15 benzamide;
- 2-{5-Chloro-2-[8-methoxy-3-(3-morpholin-4-yl-propyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-[7-(5-Chloro-4-{2-[(2-methoxy-ethyl)-methyl-sulfamoyl]-phenylamino}-pyrimidin-2-ylamino)-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl]-N,N-dimethyl-acetamide;
- 20 N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-dimethylamino-N-methyl-benzamide;
- 25 2-{7-[5-Chloro-4-(2-oxo-1,2-dihydro-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[4-dimethylamino-2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 30 2-(7-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;



2-(7-{5-Chloro-4-[4-(2-methoxy-ethoxy)-2-(propane-2-sulfonyl)-phenylamino]-  
pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-  
N,N-dimethyl-acetamide;

2-{7-[5-Chloro-4-(2-methoxy-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-  
methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-  
acetamide;

5-Chloro-N\*2\*-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-yl)-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-  
pyrimidine-2,4-diamine;

2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-acetyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-  
benzenesulfonamide;

7-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-  
ylamino}-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-  
ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2-oxo-2,3,4,5-tetrahydro-  
1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-  
benzenesulfonamide;

1-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopropanecarboxylic  
acid methylamide;

1-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopropanecarboxylic  
acid cyanomethyl-amide;

1-[5-Chloro-2-(3-dimethylcarbamoylethyl-8-methoxy-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopropanecarboxylic  
acid methylamide;

1-[5-Chloro-2-(3-dimethylcarbamoylethyl-8-methoxy-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopropanecarboxylic  
acid cyanomethyl-amide;

2-{7-[5-Chloro-4-(2,6-dimethoxy-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-  
methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-  
acetamide;

- 2-{2-[3-(2-Azetidin-1-yl-2-oxo-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-chloro-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5 1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid isopropyl ester;
- 1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid methylamide;
- 10 (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-(7-{5-Chloro-4-[2-((R)-3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 15 2-(7-{5-Chloro-4-[2-((S)-3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 20 2-{2-[3-(2-Amino-2-methyl-propionyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-chloro-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-{7-[5-Chloro-4-(6-methoxy-2-methylamino-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 25 2-{7-[5-Chloro-4-(2-methylamino-6-morpholin-4-yl-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 30 2-[5-Chloro-2-(1-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 2-[5-Chloro-2-(8-oxo-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-1,4-benzoxazepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;



- 3-{3-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-propionitrile;
- 2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 5 {4-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-acetonitrile;
- {4-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-hydroxy-N-methyl-benzamide;
- 10 2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- {3-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-acetonitrile;
- 15 {2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- [C] {2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 3-{2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-propionitrile;
- 20 3-{2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-phenyl}-propionitrile;
- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 25 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-4-nitro-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 3-{2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-1,5-benzodiazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-phenoxy}-propionitrile;
- 3-{2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-propionitrile;

- 4-Amino-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetonitrile;
- 5 2-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetic acid;
- 8-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 10 4-Acetylamino-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-methyl-phenoxy)-acetonitrile;
- 15 {2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-methyl-phenoxy}-acetonitrile;
- (2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-methyl-phenoxy)-acetonitrile;
- 20 8-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-(2-methanesulfonyl-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 25 8-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 8-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 30 5-Chloro-N(4)-[2-fluoro-6-(propane-2-sulfonyl)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;



- 8-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-benzamide;
- 5 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-benzamide;
- 8-[5-Chloro-4-(2-fluoro-6-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 10 7-[5-Chloro-4-(2-fluoro-6-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 8-[5-Chloro-4-(2-fluoro-6-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 15 5-Chloro-N(4)-(2-fluoro-6-methanesulfonyl-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 3-({2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 20 3-({2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 3-[(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenyl)-methyl-amino]-propionitrile;
- 25 3-({2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 3-({2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 30 2-[5-Chloro-2-(4-oxo-4,5-dihydro-6-oxa-10b-aza-benz[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

- 2-[5-Chloro-2-(6-oxa-10b-aza-benz[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(6,6-dimethyl-5,6-dihydro-4H-3,10b-diaza-benz[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 5 2-{5-Chloro-2-[5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-[2-(3-Amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 10 8-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 15 5-Chloro-N(4)-[2-fluoro-6-(tetrahydro-furan-3-ylmethoxy)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 8-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-ylmethoxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 20 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3,5-difluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3,5-difluoro-N-methyl-benzamide;
- 25 2-{5-Chloro-2-[5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[2-(3-Amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 30 8-{5-Chloro-4-[2-fluoro-6-(tetrahydro-pyran-4-yloxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-[2-fluoro-6-(tetrahydro-pyran-4-yloxy)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;



8-{4-[2-(3-Benzyloxy-propoxy)-6-fluoro-phenylamino]-5-chloro-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;

N(4)-[2-(3-Benzyloxy-propoxy)-6-fluoro-phenyl]-5-chloro-N(2)-[3-(2-methoxyethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;

5 2-{5-Chloro-2-[3-(2-dimethylamino-acetyl-amino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

8-[5-Chloro-4-(2,4-difluoro-6-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-1-benzazepin-2-one;

10 5-Chloro-N(4)-(2,4-difluoro-6-morpholin-4-yl-phenyl)-N(2)-[3-(2-methoxyethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(5,5-dimethyl-3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

15 2-[2-(3-Acetyl-amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[2-(3-Acetyl-amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;

20 3-[2-(3-Acetyl-amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

25 2-{5-Chloro-2-[3-(2-methoxy-acetyl-amino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-acetyl-amino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;

30 2-{5-Chloro-2-[3-(2-methoxy-ethylamino)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

Pyrrolidine-1-carboxylic acid {8-[5-chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-amide;

- Pyrrolidine-1-carboxylic acid {8-[5-chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-amide;
- 5 2-{5-Chloro-2-[(S)-5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[(R)-5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 10 {8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-carbamic acid methyl ester;
- 2-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 15 2-{5-Chloro-2-[4-oxo-1-(2,2,2-trifluoro-acetyl)-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[5-Chloro-2-(4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 20 2-{5-Chloro-2-[4-oxo-1-(2,2,2-trifluoro-acetyl)-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 25 2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenoxy]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- {5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenoxy]-pyrimidin-2-yl}-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-amine;
- 30 7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;



- (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5 (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-8-methoxy-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 10 (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 20 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-{7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 25 5-Chloro-N<sup>2</sup>-(8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- (1R,2R,3S,4S)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

- 2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 5 7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 10 (1S,2S,3R,4R)-3-{5-Chloro-2-[1-ethyl-6-methoxy-2-oxo-3-(2,2,2-trifluoroacetyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 (1S,2S,3R,4R)-3-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 20 N-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl)-2,2,2-trifluoroacetamide;
- N-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2,2,2-trifluoroacetamide;
- 25 N-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2,2,2-trifluoroacetamide;
- 2-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 30 3-Amino-7-{5-chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;



- N-{(1R,2R)-2-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 5 7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 10 N-{7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2,2,2-trifluoro-acetamide;
- 7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 3-Amino-7-[5-chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 15 (1S,2S,3R,4R)-3-[5-Chloro-2-((R)-1-ethyl-6-methoxy-3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((S)-1-ethyl-6-methoxy-3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 20 (1S,2S,3R,4R)-3-[5-Chloro-2-((R)-3-dimethylamino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((S)-3-dimethylamino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 25 2-[5-Chloro-2-(3-dimethylamino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 30 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-3-dimethylamino-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(1S,2S,3R,4R)-3-{5-Chloro-2-[(R)-1-ethyl-6-methoxy-3-(2-methoxy-acetylamino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[(S)-1-ethyl-6-methoxy-3-(2-methoxy-acetylamino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2-methoxy-acetamide;

(1S,2S,4R)-3-{5-Chloro-2-[3-(2-dimethylamino-acetylamino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[(R)-3-(2-dimethylamino-acetylamino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[(S)-3-(2-dimethylamino-acetylamino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2-dimethylamino-acetamide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[(R)-3-(cyclopropanecarbonyl-amino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[(S)-3-(cyclopropanecarbonyl-amino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

Cyclopropanecarboxylic acid {7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-amide;

2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;



3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methyl-thiophene-2-carboxylic acid methylamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-3-fluoro-benzamide;

2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

3-Chloro-2-[5-chloro-2-(3-dimethylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-[5-Chloro-2-(3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

3-Chloro-2-[5-chloro-2-(3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-  
pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 5-Chloro-N(4)-(2-chloro-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-  
1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N(4)-cyclohexyl-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- trans-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-  
methanesulfonamide;
- 10 rel-N-((1R,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-  
methanesulfonamide;
- rel-N-((1S,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-  
15 methanesulfonamide;
- cis-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-  
methanesulfonamide;
- rel-N-((1R,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
20 benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-  
cyanomethyl-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-  
cyanomethyl-methanesulfonamide;
- 25 cis-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-  
cyanomethyl-methanesulfonamide;
- trans-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-  
30 cyanomethyl-methanesulfonamide;
- rel-N-((1S,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-  
benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-  
cyanomethyl-methanesulfonamide;



- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-prop-2-ynyl-benzamide;
- 5 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-N-prop-2-ynyl-benzamide;
- 10 5-Chloro-N(2)-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 15 2-{5-Chloro-2-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N(2)-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N(4)-[2-(propane-2-sulfonyl)-phenyl]-
- 20 pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid ethyl ester;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-isobutyl-benzamide;
- 25 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-dimethylamino-ethyl)-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-methoxy-ethyl)-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(3-methoxy-propyl)-benzamide;
- 30 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(4-dimethylamino-butyl)-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(3-dimethylamino-propyl)-benzamide;

- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-[2-(4-methyl-piperazin-1-yl)-ethyl]-benzamide;
- 5 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 10 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid methyl ester;
- 15 3-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 20 2-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-dimethylamino-N-methyl-benzamide;
- 25 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-dimethylamino-N-methyl-benzamide;
- 5-Bromo-2-[5-chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 30 5-Bromo-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide;



3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-  
7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl  
ester;

5 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-  
7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl  
ester;

3-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-  
dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;

10 4-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-  
pyrimidin-4-ylamino]-4'-cyano-5-fluoro-biphenyl-3-carboxylic acid  
methylamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-  
ylamino]-pyrimidin-4-ylamino}-N-cyclopropylmethyl-benzamide;

15 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-  
pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-  
benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-  
ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-5-(1-methyl-1H-  
pyrazol-4-yl)-benzamide;

20 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-  
chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-  
4-yl)-benzamide;

25 2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-  
ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-  
pyrazol-4-yl)-benzamide;

3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-  
7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-  
dimethylamino-propyl ester;

30 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-  
ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic  
acid 3-dimethylamino-propyl ester;

3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-  
7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-  
dimethylamino-propyl ester;

- 3-[5-Chloro-4-(2-prop-2-ynylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-dimethylamino-propyl ester;
- 5 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid methyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid methyl ester;
- 10 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid isopropyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid isopropyl ester;
- 15 3-{5-Chloro-4-[2-fluoro-6-methylcarbamoyl-4-(1-methyl-1H-pyrazol-4-yl)-phenylamino]-pyrimidin-2-ylamino}-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid methyl ester;
- 20 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid isopropyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 2-methoxy-ethyl ester;
- 25 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 2-methoxy-ethyl ester;
- 30 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 1-methyl-piperidin-3-yl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 1-methyl-piperidin-3-yl ester;



- 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 1-methyl-piperidin-3-yl ester;
- 5 N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(1-ethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 8-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-one;
- 2-[5-Chloro-2-(4-ethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 8-{5-Chloro-4-[2-(2-morpholin-4-yl-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-one;
- 15 N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- {8-[4-((1R,2S,3R,4S)-3-Carbamoyl-bicyclo[2.2.1]hept-2-ylamino)-5-chloro-pyrimidin-2-ylamino]-1-ethyl-5-oxo-1,2,3,5-tetrahydro-
- 20 benzo[e][1,4]diazepin-4-yl}-acetic acid 2-methoxy-ethyl ester;
- {8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid 2-methoxy-ethyl ester;
- {8-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-
- 25 5-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid 2-methoxy-ethyl ester;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 2-{8-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-ethyl-7-methoxy-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-N,N-dimethyl-acetamide;

- N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-5,5-dimethyl-2-oxo-4-(2,2,2-trifluoroacetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 8-{5-Chloro-4-[2-(2-morpholin-4-yl-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(2-morpholin-4-yl-ethoxy)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(5,6-dihydro-4H-3,5,10b-triaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 10 2-{5-Bromo-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Bromo-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Bromo-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 15 2-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-methyl-benzamide;
- 20 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methyl-benzamide;
- 3-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 25 3-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;
- 4-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzo[1,3]dioxole-5-carboxylic acid methylamide;
- 30 4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzo[1,3]dioxole-5-carboxylic acid methylamide;



- 4-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-benzo[1,3]dioxole-5-carboxylic acid methylamide;
- 5 4-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-benzo[1,3]dioxole-5-carboxylic acid methylamide;
- [2-(5-Chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-3-fluorophenoxy]-acetonitrile;
- 10 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 15 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 3-Chloro-2-(5-chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-N-methyl-benzamide;
- 20 2-[2-(1-Acetyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloropyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(1-Acetyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloropyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 25 2-[5-Chloro-2-(3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 1-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 8-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 30 2-{5-Chloro-4-[2-(5-methyl-[1,3,4]thiadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-2-[3-(2-methoxy-ethylamino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

- 2- $\{5\text{-Chloro-2-[3-(2-dimethylamino-acetyl-amino)-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}\}$ -3-fluoro-N-methyl-benzamide;
- 5 2- $\{5\text{-Chloro-2-[3-(2-dimethylamino-acetyl-amino)-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}\}$ -3-fluoro-N-prop-2-ynyl-benzamide;
- 2- $\{5\text{-Chloro-2-[1-ethyl-3-(2-methoxy-acetyl-amino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}\}$ -3-fluoro-N-methyl-benzamide;
- 10 2- $\{5\text{-Chloro-2-[1-ethyl-3-(2-methoxy-acetyl-amino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}\}$ -3-fluoro-N-prop-2-ynyl-benzamide;
- N-((cis)-2- $\{5\text{-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}\}$ -cyclopentyl)-methanesulfonamide;
- 15 (1S,2S)-2- $\{5\text{-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino}\}$ -cyclohexanecarboxylic acid amide;
- N- $\{(1R,2R)\}$ -2- $\{5\text{-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino}\}$ -cyclohexyl)-methanesulfonamide;
- 20 2- $\{5\text{-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino}\}$ -N-methyl-benzamide;
- 2- $\{5\text{-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino}\}$ -3-methoxy-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 25 2- $\{5\text{-Bromo-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino}\}$ -N-methyl-benzamide;
- 2- $\{5\text{-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino}\}$ -3-methoxy-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 30 (1R,2R,3S,4S)-3- $\{5\text{-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino}\}$ -bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- $\{3\}$ - $\{5\text{-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino}\}$ -phenoxy}-acetonitrile;



- 2-[5-Chloro-2-(2-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Bromo-2-(2-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 2-[2-(3-Methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-Methoxy-2-[4-(2-methoxy-4-morpholin-4-yl-phenylamino)-5-trifluoromethyl-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-
- 10 benzocyclohepten-6-one;
- {2-[5-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-Methoxy-3-[4-(2-methoxy-4-morpholin-4-yl-phenylamino)-5-trifluoromethyl-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-
- 15 benzocyclohepten-6-one;
- {2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenoxy}-acetonitrile;
- (2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenoxy)-acetonitrile;
- 20 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 25 5-Chloro-N<sup>2</sup>-(8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 30 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;

- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1-morpholin-4-yl-ethanone;
- 5 (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 10 (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-
- 15 benzenesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-
- 20 1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 25 5-Chloro-N\*2\*-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-ethanol;
- 30 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-1-morpholin-4-yl-ethanone;



5-Chloro-N<sup>4</sup>-(4-dimethylamino-2-methoxy-phenyl)-N<sup>2</sup>-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

2-(5-Chloro-2-{8-methoxy-3-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino}-pyrimidin-4-ylamino)-N,N-dimethyl-benzenesulfonamide;

(1S,2S,3R,4R)-3-(5-Chloro-2-{8-methoxy-3-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1-(4-methyl-piperazin-1-yl)-ethanone;

2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-1-(4-methyl-piperazin-1-yl)-ethanone;

Amino-acetic acid 2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl ester;

2-(7-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-ethanol;

(S)-2-Amino-3-methyl-butyric acid 2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl ester;

Phosphoric acid mono-(2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl) ester;

Propionic acid 2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl ester;

2-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- 2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid 2-methoxyethyl ester;
- 5 2-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid 2-methoxyethyl ester;
- 1-(2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 10 1-(2-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 1-(7-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-propan-2-ol;
- 15 (R)-1-(2-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (S)-1-(2-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 20 (S)-1-(2-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (R)-1-(2-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 25 (1S,2S,3R,4R)-3-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 30 (1S,2S,3R,4R)-3-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5 (R)-1-(2-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (S)-1-(2-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 10 2-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 20 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- 25 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-methyl-benzamide;
- {2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 30 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- {2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;

2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;

5 (2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetonitrile;  
(1S,2S,3R,4R)-3-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

10 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-(2-methoxy-ethyl)-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;  
15 (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

20 2-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methylbenzamide;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

25 (1S,2S,3R,4R)-3-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-isopropyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

30 2-[5-Chloro-2-(1-isobutyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methylbenzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(1-isobutyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-isobutyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 5 2-[2-(1-Acetyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 10 1-{8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]azepin-1-yl}-ethanone;
- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 15 (1S,2S,3R,4R)-3-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[1-(2-methoxy-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 20 2-[2-(1-Acetyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-acetyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 25 2-[5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 30 (1S,2S,3R,4R)-3-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-acetyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[2-(1-Acetyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3,5-difluoro-N-methyl-benzamide;

2-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;

5-Chloro-N\*2\*-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,5-difluoro-N-methyl-benzamide;

2-(5-Chloro-2-{1-[2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetyl]-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino}-pyrimidin-4-ylamino)-3-fluoro-N-methyl-benzamide;

2-{2-[1-(2-Amino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-5-chloro-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-(5-Chloro-2-{1-[2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetyl]-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino}-pyrimidin-4-ylamino)-3-fluoro-N-prop-2-ynyl-benzamide;

2-{2-[1-(2-Amino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-5-chloro-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;



- 2-{5-Chloro-2-[5,5-dimethyl-1-(pyrrolidine-1-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 5 8-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(pyrrolidine-1-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3,5-difluoro-N-prop-2-ynyl-benzamide;
- 10 3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid prop-2-ynylamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-benzamide;
- 15 8-{5-Chloro-4-[2-((R)-3-dimethylamino-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 20 2-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- (1S, 2S, 3R, 4R)-3-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 25 5-Chloro-N\*2\*-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[1-(2-dimethylamino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 30 2-{5-Chloro-2-[1-(2-dimethylamino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynylbenzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;

(1S, 2S, 3R, 4R)-3-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N<sup>2</sup>-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl)-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-[2-(3-Acetylamino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-Benzamide;

2-{5-Chloro-2-[3-(2-methoxy-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-fluoro-benzamide;

2-{5-Chloro-2-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-{5-Chloro-2-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;

(1S, 2S, 3R, 4R)-3-{5-Chloro-2-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N<sup>2</sup>-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl]-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[1-ethyl-5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-[2-(3-Acetylamino-1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-{5-Chloro-2-[1-ethyl-3-(2-methoxy-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;



- N-{(1R,2R)-2-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 3-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- N-{(1R,2R)-2-[5-Chloro-2-(7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 2-{8-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-dimethylcarbamoylmethyl-7-methoxy-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-N,N-dimethyl-acetamide;
- N7. N-{(1R,2R)-2-[2-(4-Acetyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- N-{(1R,2R)-2-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methane-sulfonamide;
- 2-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 8-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-4-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- (1S, 2S, 3R, 4R)-3-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- N-(1R,2R)-(2-{5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5 (1S, 2S, 3R, 4R)-3-{5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-(1R,2R)-{2-[5-Chloro-2-(4-cyclopropylmethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 10 (1S, 2S, 3R, 4R)-3-[5-Chloro-2-(4-cyclopropylmethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 8-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-4-cyclopropylmethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 15 2-[5-Chloro-2-(8-methoxy-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 20 (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-((S)-3,3,3-trifluoro-2-hydroxypropyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-N-methyl-methanesulfonamide;
- 25 N-((1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-N-ethyl-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-methyl-methanesulfonamide;
- 30 N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-ethyl-methanesulfonamide;



- N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-N-methylmethanesulfonamide;
- 5 N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-N-methylmethanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-N-methylmethanesulfonamide;
- 10 N-((1R,2R)-2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-N-methylmethanesulfonamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-N-methyl-benzamide;
- 15 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 20 N-((1R,2R)-2-[5-Chloro-2-(9-ethyl-2-fluoro-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-(9-ethyl-2-fluoro-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 25 3-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-morpholin-4-yl-phenoxy)-propionitrile;
- 3-{2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-morpholin-4-yl-phenoxy}-propionitrile;
- 2-[5-Chloro-2-(9-ethyl-2-fluoro-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 30 2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

N-((1R,2R)-2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

5-Chloro-N\*2\*-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

8-{5-Chloro-4-[2-fluoro-6-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*4\*-[2-fluoro-6-(2-methoxy-ethoxy)-phenyl]-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

3-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

(1R,2S,3R,4S,5S,6R)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5,6-dihydroxy-bicyclo[2.2.1]heptane-2-carboxylic acid amide;

2-[4-(2-Allyloxy-6-fluoro-4-morpholin-4-yl-phenylamino)-5-chloro-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

3-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;

2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-[5-Chloro-2-(9-methyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;



- 2-[5-Chloro-2-(9-methyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[4-(2-Allyloxy-4-dimethylamino-6-fluoro-phenylamino)-5-chloro-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 5 N\*4\*-(2-Allyloxy-4-dimethylamino-6-fluoro-phenyl)-5-chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyclopropylmethyl-3-fluoro-benzamide;
- 10 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-cyclopropylmethyl-3-fluoro-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-
- 15 benzamide;
- 3-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;
- 20 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-4-[2-(2,3-dihydroxy-propoxy)-6-fluoro-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 25 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-ethyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-ethyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-
- 30 ynyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-  
aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-  
2-ynyl-benzamide;
- 5 2-[5-Chloro-2-(9-ethyl-7-morpholin-4-yl-6,7,8,9-tetrahydro-5-oxa-9-aza-  
benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-  
benzamide;
- 2-[5-Chloro-2-(6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-  
pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 10 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-5-  
chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-5-  
chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 15 2-{5-Chloro-2-[9-(2-methoxy-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-  
benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-  
benzamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-  
ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenoxy)-acetic acid methyl  
ester;
- 20 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-  
ylamino]-pyrimidin-4-ylamino}-3,5-difluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-  
pyrimidin-4-ylamino]-3,5-difluoro-N-prop-2-ynyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-  
N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 25 8-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-  
1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-{5-Chloro-4-[2-fluoro-6-(2-hydroxy-ethoxy)-phenylamino]-pyrimidin-2-  
ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 30 2-[5-Chloro-2-(9-isopropyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-  
ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-isopropyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-  
ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;



- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-  
aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-  
2-ynyl-benzamide;
- 5 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-  
aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-  
methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-  
benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 15 2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-  
ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-  
ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 20 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid  
methylamide;
- {2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-  
benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 25 2-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-  
ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 3-Bromo-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-  
benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 30 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-  
2-ylamino)-pyrimidin-4-ylamino]-N-methyl-3-trifluoromethyl-benzamide;

- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-4-trifluoromethyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-6,N-dimethyl-benzamide;
- 5 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-6-fluoro-N-methyl-benzamide;
- 3,4-Dichloro-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 10 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid prop-2-ynylamide;
- 15 5-tert-Butyl-3-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 20 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-5-phenyl-thiophene-2-carboxylic acid methyl ester;
- (R)-2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;
- 25 (S)-2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;
- 2-[[5-Fluoro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-yl]-methyl-amino]-N-methyl-benzamide;
- 30 2-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[[5-Chloro-4-[2-(1H-pyrazol-3-yl)-phenylamino]-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;



- 2-[5-Chloro-4-(2,2-difluoro-benzo[1,3]dioxol-4-ylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-4-(1H-indazol-4-ylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 5 5-Chloro-3-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 5-Bromo-3-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 10 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4,5-dimethyl-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-3-trifluoromethoxy-benzamide;
- 15 2,5-Dichloro-4-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 20 4-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-5-methyl-isoxazole-3-carboxylic acid methylamide;
- 5-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-1-methyl-1H-pyrazole-4-carboxylic acid methylamide;
- 25 2-{5-Chloro-4-[2-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-fluoro-6-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 30 2-[5-Chloro-4-(2-fluoro-6-prop-2-ynyloxy-phenylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[4-(2-Allyloxy-6-fluoro-phenylamino)-5-chloro-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{4-[2-(2-Amino-ethoxy)-6-fluoro-phenylamino]-5-chloro-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

N-(2-{2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenoxy}-ethyl)-acetamide;

2-{5-Chloro-4-[2-(5-ethylamino-[1,3,4]oxadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-(3-methyl-[1,2,4]oxadiazol-5-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-fluoro-6-(3-methyl-[1,2,4]oxadiazol-5-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-(5-methyl-[1,3,4]oxadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-fluoro-6-(5-methyl-[1,3,4]oxadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-(5-methyl-2H-[1,2,4]triazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-fluoro-6-(5-methyl-oxazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-(5-methyl-oxazol-2-yl)-thiophen-3-ylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-[5-Chloro-4-(2-methylaminomethyl-phenylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

N-{2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzyl}-N-methyl-acetamide;

N-{2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzyl}-acetamide;

2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



- 3-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-Chloro-2-[5-chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 (1R,2R,3S,4S)-3-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(2-methyl-3-oxo-2,3-dihydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 2-[[5-Fluoro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-yl]-methyl-amino]-N-methyl-benzamide;
- 15 2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 8-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;
- 20 8-[5-Chloro-4-(2,2-difluoro-benzo[1,3]dioxol-4-ylamino)-pyrimidin-2-ylamino]-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;
- 8-{5-Chloro-4-[2-(1H-pyrazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;
- 3-Chloro-2-[5-chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 25 2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2,5-Dichloro-4-[5-chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 30 8-[5-Chloro-4-(2-methylaminomethyl-phenylamino)-pyrimidin-2-ylamino]-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;
- 2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;

- {2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-[5-Chloro-2-(4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 3-[5-Chloro-2-(4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 2-[5-Chloro-2-(4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 10 2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 15 3-Chloro-2-[5-chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 8-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-3-methyl-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 20 3-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-pyridine-2-carboxylic acid methylamide;
- 5-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-1-methyl-1H-pyrazole-4-carboxylic acid methylamide;
- 25 (R)-2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;
- (S)-2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;
- 30 2-{{5-Fluoro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-yl]-methyl-amino}-N-methyl-benzamide;
- 8-{{5-Chloro-4-[2-(1H-pyrazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}-3-methyl-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;



- 2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 3-Chloro-2-[5-chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 10 2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- (1R,2R,3S,4S)-3-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 20 3-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 25 2-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 30 3-Chloro-2-[5-chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

- 2-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 5-Chloro-N<sup>2</sup>-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-yl)-N<sup>4</sup>-[2-fluoro-6-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5 2-[5-Chloro-2-(1-methyl-5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 10 4-[5-Chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-5-methyl-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 15 2-[2-(4-Acetyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[2-(4-Acetyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 3-[2-(4-Acetyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 20 2-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 25 3-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 30 2-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-chloro-N-methyl-benzamide;
- 2-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;



- 3-[5-Chloro-2-(1,4-diethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid benzyl ester;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(4-Benzyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(4-methanesulfonyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[2-oxo-4-(3,3,3-trifluoro-propyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(4-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 3-[5-Chloro-2-(4-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-{5-Chloro-2-[2-oxo-4-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-4-methyl-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-2-(4-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(4-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;

- 8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-  
2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid ethyl  
ester;
- 5 2-[5-Chloro-2-(1,4-diethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-  
ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-{5-Chloro-2-[1-ethyl-2-oxo-4-(3,3,3-trifluoro-propyl)-2,3,4,5-tetrahydro-1H-  
benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-thiophene-2-  
carboxylic acid methylamide;
- 10 3-[5-Chloro-2-(1-ethyl-4-methanesulfonyl-2-oxo-2,3,4,5-tetrahydro-1H-  
benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-  
carboxylic acid methylamide;
- 2-{5-Chloro-2-[1-ethyl-4-(2-hydroxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-  
benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-  
methyl-benzamide;
- 15 3-[5-Chloro-2-(1,4-diethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-  
ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid  
methylamide;
- 8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-  
1-ethyl-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid  
ethyl ester;
- 20 8-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-  
ylamino]-1-ethyl-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-  
carboxylic acid ethyl ester;
- 2-[2-(1-Acetyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-  
chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 25 3-[2-(1-Acetyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-  
chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-[2-(1-Acetyl-4-ethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-  
chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 30 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-7-ylamino)-  
pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-  
ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide; or  
 3-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;  
 5 or a pharmaceutically acceptable salt form thereof.

In one embodiment, the present invention provides one or more of the following compounds of formula II:

- 10 2-[5-Chloro-2-(6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(3-ethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;  
 6-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-azatricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-4,12-dicarboxylic acid 12-ethyl ester 4-methyl ester;  
 15 2-[5-Chloro-2-(8-methoxy-2-methyl-1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 20 9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;  
 9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;  
 25 2-[5-Chloro-2-(3-ethyl-9-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-9-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
 30 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;  
 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- N-((1R,2R)-2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5 N-{2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 2-{5-Chloro-2-[3-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 10 N-(2-{5-Chloro-2-[3-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;
- 15 N-(2-{5-Chloro-2-[2-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[2-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 20 2-[2-(4-Acetyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-5-chloropyrimidin-4-ylamino]-N-methylbenzamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 25 (2-*exo*,3-*exo*)-3-{5-Chloro-2-[7-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N(2)-[7-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-yl]-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 30 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- N-((1R,2R)-2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;



- 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(1-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5 2-[2-(1-Allyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-exo-3-exo)-3-[5-Chloro-2-(2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(2,3,4,5-
- 10 tetrahydrobenzo[b]oxepin-9-yl)pyrimidine-2,4-diamine;
- N-((1R,2R)-2-[5-Chloro-2-(2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*4\*-(2-methoxy-phenyl)-N\*2\*-(2,3,4,5-tetrahydrobenzo[b]oxepin-9-yl)-pyrimidine-2,4-diamine;
- 15 (1R,2R,3S,4S)-3-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 20 2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- N-((1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 25 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-benzamide;
- 30 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

{2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;

5-Chloro-N<sup>2</sup>-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

5 3-[5-Chloro-2-(4-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(4-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;

10

5-Chloro-N(2)-(4-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-yl)-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

9-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

15

N-((1R,2R)-2-[5-Chloro-2-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

20 5-Chloro-N<sup>2</sup>-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-yl)-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;

25

2-[5-Chloro-2-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

30

N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;



5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;

2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-3-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

2-[5-Chloro-2-(3-ethyl-7-methoxy-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;

2-[5-Chloro-2-(2-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-{(1R,2R)-2-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(7-fluoro-5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-9-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide; or

9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-7-fluoro-3,4-dihydro-2H-benzo[f][1,4]oxazepin-5-one;

or a pharmaceutically acceptable salt form thereof.

In another embodiment, the present invention provides any of the compounds as described in the Examples.

In another embodiment, the present invention provides one or more of the following compounds:

(1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

- N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5 (1S,2S,3R,4R)-3-[5-Chloro-2-((R)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 10 2-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 15 (1S,2S,3R,4R)-3-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide (Single Diastereomer A);
- (1S,2S,3R,4R)-3-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide (Single Diastereomer B);
- 20 2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2- {5-Chloro-2-[5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetyl-amino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 25 2- {5-Chloro-2-[3-(2-methoxy-acetyl-amino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 30 Pyrrolidine-1-carboxylic acid {8-[5-chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-amide;



3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-  
7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl  
ester;

2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-3-benz  
azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-  
benzenesulfonamide;

(S)-1-(2-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-  
1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrr  
olidin-3-ol;

(1S,2S,3R,4R)-3-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-t  
etrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-  
bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-t  
etrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-  
bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-  
tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2  
.2.1]hept-5-ene-2-carboxylic acid amide; or

2-[5-Chloro-2-(9-ethyl-7-morpholin-4-yl-6,7,8,9-tetrahydro-5-oxa-9-aza-  
benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-  
benzamide;

or a pharmaceutically acceptable salt thereof.

The present invention provides pharmaceutically acceptable salts of compounds of  
formula I or II. Pharmaceutically acceptable acid addition salts of the compounds of  
formula I or II include, but are not limited to, salts derived from inorganic acids such as  
hydrochloric, nitric, phosphoric, sulfuric, hydrobromic, hydriodic, and phosphorus, as well  
as the salts derived from organic acids, such as aliphatic mono- and dicarboxylic acids,  
phenyl-substituted alkanolic acids, hydroxy alkanolic acids, alkanedioic acids, aromatic  
acids, and aliphatic and aromatic sulfonic acids. Such salts thus include, but are not  
limited to, sulfate, pyrosulfate, bisulfate, sulfite, bisulfite, nitrate, phosphate,  
monohydrogenphosphate, dihydrogenphosphate, metaphosphate, pyrophosphate, chloride,  
bromide, iodide, acetate, propionate, caprylate, isobutyrate, oxalate, malonate, succinate,  
suberate, sebacate, fumarate, maleate, mandelate, benzoate, chlorobenzoate,  
methylbenzoate, dinitrobenzoate, phthalate, benzenesulfonate, toluenesulfonate,

## **DEMANDES OU BREVETS VOLUMINEUX**

**LA PRÉSENTE PARTIE DE CETTE DEMANDE OU CE BREVETS  
COMPREND PLUS D'UN TOME.**

**CECI EST LE TOME \_\_1\_\_ DE \_\_4\_\_**

NOTE: Pour les tomes additionels, veuillez contacter le Bureau Canadien des Brevets.

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## **JUMBO APPLICATIONS / PATENTS**

**THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE  
THAN ONE VOLUME.**

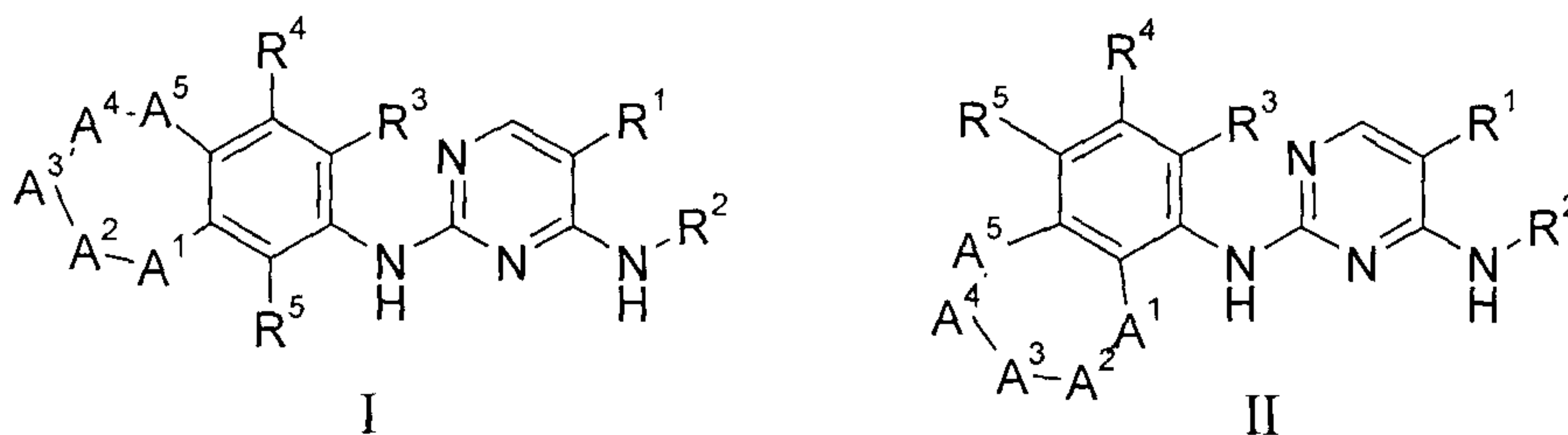
**THIS IS VOLUME \_\_1\_\_ OF \_\_4\_\_**

NOTE: For additional volumes please contact the Canadian Patent Office.



## WHAT IS CLAIMED IS:

1. A compound of formula I or II



or a pharmaceutically acceptable salt form thereof,  
wherein

$R^1$  is H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{R}^{10}$ ,  $-\text{C}(=\text{O})\text{OR}^{10}$ ,  $-\text{C}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{R}^{11}$ ,  $\text{C}_{1-6}$ -alkyl,  $-\text{C}_{1-6}$ -alkyl- $\text{OR}^{10}$ ,  $-\text{C}_{1-6}$ -alkyl- $\text{NR}^{12}\text{R}^{13}$ ,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{10}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{10}$ ,  $-\text{OC}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{OR}^{11}$ ,  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{R}^{11}$ ,  $-\text{NR}^{10}\text{C}(=\text{O})\text{NR}^{12}\text{R}^{13}$ ,  $-\text{NR}^{10}\text{S}(=\text{O})_2\text{NR}^{12}\text{R}^{13}$ , or  $-\text{SCF}_3$ ;

$R^2$  is a  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl,  $\text{C}_{3-10}$ -cycloalkyl, 3-15 membered heterocycloalkyl, or 5-15 membered heteroaryl,

wherein the  $R^2$  group is optionally substituted by one or more members that are independently halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{20}$ ,  $=\text{O}$ ,  $-\text{C}(=\text{O})\text{R}^{20}$ ,  $-\text{C}(=\text{O})\text{OR}^{20}$ ,  $-\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{R}^{21}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{25})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{25})_x$ , 5-15 membered heteroaryl- $(\text{R}^{25})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{25})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{25})_x$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{20}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{20}$ ,  $-\text{OC}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{OR}^{21}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{R}^{21}$ ,  $-\text{NR}^{20}\text{C}(=\text{O})\text{NR}^{22}\text{R}^{23}$ ,  $-\text{NR}^{20}\text{S}(=\text{O})_2\text{NR}^{22}\text{R}^{23}$ , or  $-\text{SCF}_3$ ;

$R^3$ ,  $R^4$ , and  $R^5$  are independently H, halogen, , or  $\text{OC}_{1-6}$ -alkyl, provided that  $R^3$  is not hydrogen or halogen when  $R^5$  is hydrogen;

$A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  are each independently  $-\text{CZ}^1\text{Z}^2-$ ,  $-(\text{CZ}^1\text{Z}^2)_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^3-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$ ,  $-\text{S}(=\text{O})_2-$ , or  $-\text{O}-$ , with the proviso that at most one of  $A^1$ ,  $A^2$ ,  $A^3$ ,  $A^4$ , and  $A^5$  is  $-(\text{CZ}^1\text{Z}^2)_2-$ , wherein:

- (a) when any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  are located on adjacent atoms, they may form a bond between the atoms,

- (b) any of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may be independently H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{40}$ ,  $-\text{C}(=\text{O})\text{R}^{40}$ ,  $-\text{C}(=\text{O})\text{OR}^{40}$ ,  $-\text{C}(=\text{O})\text{NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{R}^{41}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{45})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{45})_x$ , 5-15 membered heteroaryl- $(\text{R}^{45})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{45})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{45})_x$ ,  $\text{C}_{2-6}$ -alkenyl- $(\text{R}^{45})_x$ ,  $\text{C}_{2-6}$ -alkynyl- $(\text{R}^{45})_x$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{40}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{42}\text{R}^{43}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{40}$ ,  $-\text{OC}(=\text{O})\text{NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{C}(=\text{O})\text{R}^{41}$ ,  $-\text{NR}^{40}\text{C}(=\text{O})\text{OR}^{41}$ ,  $-\text{NR}^{40}\text{S}(=\text{O})_2\text{R}^{41}$ ,  $-\text{NR}^{40}\text{C}(=\text{O})\text{NR}^{42}\text{R}^{43}$ ,  $-\text{NR}^{40}\text{S}(=\text{O})_2\text{NR}^{42}\text{R}^{43}$ , or  $-\text{SCF}_3$ , and
- (c) any two of  $Z^1$ ,  $Z^2$ , and  $Z^3$  may together form a group of formula  $-\text{A}^6-\text{A}^7-\text{A}^8-\text{A}^9-\text{A}^{10}-$ ,

wherein  $\text{A}^6$ ,  $\text{A}^7$ ,  $\text{A}^8$ ,  $\text{A}^9$ , and  $\text{A}^{10}$  are independently a bond,  $-\text{CZ}^4\text{Z}^5-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{NZ}^6-$ ,  $-\text{S}-$ ,  $-\text{S}(=\text{O})-$ ,  $-\text{S}(=\text{O})_2-$ , or  $-\text{O}-$ , wherein:

- (i) when any two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ ,  $Z^4$ ,  $Z^5$ , and  $Z^6$  are located on adjacent atoms, they may form a bond between the atoms, and
- (ii) any of  $Z^4$ ,  $Z^5$ , and  $Z^6$  may be independently H, halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{50}$ ,  $-\text{C}(=\text{O})\text{R}^{50}$ ,  $-\text{C}(=\text{O})\text{OR}^{50}$ ,  $-\text{C}(=\text{O})\text{NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{R}^{51}$ ,  $\text{C}_{1-6}$ -alkyl- $(\text{R}^{55})_x$ ,  $\text{C}_{6-15}$ -aryl- $(\text{R}^{55})_x$ , 5-15 membered heteroaryl- $(\text{R}^{55})_x$ ,  $\text{C}_{3-10}$  cycloalkyl- $(\text{R}^{55})_x$ , 3-15 membered heterocycloalkyl- $(\text{R}^{55})_x$ , pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{50}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{52}\text{R}^{53}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{50}$ ,  $-\text{OC}(=\text{O})\text{NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{C}(=\text{O})\text{R}^{51}$ ,  $-\text{NR}^{50}\text{C}(=\text{O})\text{OR}^{51}$ ,  $-\text{NR}^{50}\text{S}(=\text{O})_2\text{R}^{51}$ ,  $-\text{NR}^{50}\text{C}(=\text{O})\text{NR}^{52}\text{R}^{53}$ ,  $-\text{NR}^{50}\text{S}(=\text{O})_2\text{NR}^{52}\text{R}^{53}$ , or  $-\text{SCF}_3$ ;

$\text{R}^{25}$ ,  $\text{R}^{45}$ , and  $\text{R}^{55}$  at each occurrence are independently halogen,  $-\text{NO}_2$ ,  $-\text{OR}^{60}$ ,  $=\text{O}$ ,  $-\text{C}(=\text{O})\text{R}^{60}$ ,  $-\text{C}(=\text{O})\text{OR}^{60}$ ,  $-\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{R}^{61}$ ,  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, 3-15 membered heterocycloalkyl, pseudohalogen,  $-\text{S}(=\text{O})_n\text{R}^{60}$ ,  $-\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OCH}_2\text{F}$ ,  $-\text{OCHF}_2$ ,  $-\text{OCF}_3$ ,  $-\text{NHOH}$ ,  $-\text{OC}(=\text{O})\text{R}^{60}$ ,  $-\text{OC}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{OP}(=\text{O})(\text{OH})_2$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{OR}^{61}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{R}^{61}$ ,  $-\text{NR}^{60}\text{C}(=\text{O})\text{NR}^{62}\text{R}^{63}$ ,  $-\text{NR}^{60}\text{S}(=\text{O})_2\text{NR}^{62}\text{R}^{63}$ , or  $-\text{SCF}_3$ , in which said  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{1-6}$ -haloalkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl,  $\text{C}_{6-15}$ -aryl, 5-15 membered heteroaryl,  $\text{C}_{3-10}$  cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents that are independently  $\text{C}_{1-6}$ -alkyl,  $\text{C}_{2-6}$ -alkenyl,  $\text{C}_{2-6}$ -alkynyl, halogen, cyano,  $\text{C}_{3-10}$  cycloalkyl, phenyl, 5-10 membered



heteroaryl-(R<sup>79</sup>)<sub>x</sub>, 3-10 membered heterocycloalkyl, -N(R<sup>76</sup>)<sub>2</sub>, -C(=O)OR<sup>76</sup>, -C(=O)N(R<sup>76</sup>)<sub>2</sub>, =O, or -OR<sup>76</sup>;

R<sup>10</sup>, R<sup>11</sup>, R<sup>20</sup>, R<sup>21</sup>, R<sup>40</sup>, R<sup>41</sup>, R<sup>50</sup>, R<sup>51</sup>, R<sup>60</sup>, and R<sup>61</sup> at each occurrence are independently H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, or 3-15 membered heterocycloalkyl, in which said C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents that are independently C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkenyl, C<sub>2-6</sub>-alkynyl, halogen, cyano, phenyl, 5-10 membered heteroaryl-(R<sup>79</sup>)<sub>x</sub>, 3-10 membered heterocycloalkyl, -N(R<sup>76</sup>)<sub>2</sub>, -C(=O)OR<sup>76</sup>, -C(=O)N(R<sup>76</sup>)<sub>2</sub>, =O, or -OR<sup>76</sup>;

R<sup>12</sup>, R<sup>13</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>42</sup>, R<sup>43</sup>, R<sup>52</sup>, R<sup>53</sup>, R<sup>62</sup>, and R<sup>63</sup> at each occurrence are independently H, C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, or 3-15 membered heterocycloalkyl, in which said C<sub>1-6</sub>-alkyl, C<sub>2-6</sub>-alkynyl, C<sub>1-6</sub>-haloalkyl, C<sub>6-15</sub>-aryl, 5-15 membered heteroaryl, C<sub>3-10</sub> cycloalkyl, and 3-15 membered heterocycloalkyl groups are optionally substituted by one or more substituents that are independently C<sub>1-6</sub>-alkyl, halogen, C<sub>3-10</sub> cycloalkyl, 3-10 membered heterocycloalkyl-(R<sup>87</sup>)<sub>x</sub>, -N(R<sup>86</sup>)<sub>2</sub>, cyano, C<sub>2-6</sub>-alkynyl, =O, or -OR<sup>86</sup>; or R<sup>12</sup> and R<sup>13</sup>, R<sup>22</sup> and R<sup>23</sup>, R<sup>42</sup> and R<sup>43</sup>, R<sup>52</sup> and R<sup>53</sup>, or R<sup>62</sup> and R<sup>63</sup> may form, together with the nitrogen atom to which they are attached, a 3-15 membered heterocycloalkyl group or a 5-15 membered heteroaryl group, in which said 3-15 membered heterocycloalkyl group or 5-15 membered heteroaryl group is optionally substituted by one or more substituents that are independently C<sub>1-6</sub>-alkyl, halogen, or -OH;

R<sup>76</sup> and R<sup>86</sup> at each occurrence are independently H, C<sub>1-6</sub>-alkyl-(R<sup>78</sup>)<sub>x</sub>, or -C(=O)-C<sub>1-6</sub>-alkyl;

R<sup>78</sup> at each occurrence is independently =O or phenyl;

R<sup>79</sup> at each occurrence is =O;

R<sup>87</sup> at each occurrence is independently C<sub>1-6</sub>-alkyl;

n at each occurrence is independently 0, 1, or 2; and

x at each occurrence is independently 0, 1, 2, 3, 4, 5, or 6.

2. The compound or pharmaceutically acceptable salt form thereof of claim 1, having an ALK kinase IC<sub>50</sub> of < 0.1 μM.

3. The compound or pharmaceutically acceptable salt form thereof of claim 1, having a c-Met kinase IC<sub>50</sub> of < 0.1 μM.
4. A pharmaceutical composition comprising a compound or a pharmaceutically acceptable salt form thereof as defined in any one of claims 1 to 3, and at least one pharmaceutically acceptable carrier, diluent, or excipient therefor.
5. A use of a compound or a pharmaceutically acceptable salt form thereof as defined in any one of claims 1 to 3, or of a pharmaceutical composition as defined in claim 4, for treating a proliferative disorder in a subject.
6. A use of a compound or a pharmaceutically acceptable salt form thereof as defined in any one of claims 1 to 3, or of a pharmaceutical composition as defined in claim 4, in the manufacture of a medicament for treating a proliferative disorder in a subject.
7. A compound that is :
  - 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)pyrimidin-4-ylamino]-N-methyl-benzamide;
  - 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
  - 2-[5-Chloro-2-(6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
  - 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
  - 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
  - 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-hydroxy-ethyl)-benzamide;
  - 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;
  - {7-[5-Chloro-4-(2-methylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-2,3,4,5-tetrahydro-benzo[b]azepin-1-yl}-acetic acid methyl ester;
  - {7-[5-Chloro-4-(2-methylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-2,3,4,5-tetrahydro-benzo[b]azepin-1-yl}-acetic acid;
  - 2-(5-Chloro-2-{1-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino}-pyrimidin-4-ylamino)-N-methyl-benzenesulfonamide;



- 2-[5-Chloro-2-(1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-methyl-benzamide;
- 2-{5-Chloro-2-[(*S*)-(2,3,3a,4-tetrahydro-1H,6H-5-oxa-10b-aza-benzo[e]azulen-8-yl)amino]-pyrimidin-4-ylamino}-*N*-methyl-benzamide;
- 2-{5-Chloro-2-[(*S*)-(2,3,3a,4-tetrahydro-1H,6H-5-oxa-10b-aza-benzo[e]azulen-8-yl)amino]-pyrimidin-4-ylamino}-*N*-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(7,7a,8,9,10,11-hexahydro-5H-6-oxa-11a-azadibenzo[a,c]cyclohepten-3-ylamino)-pyrimidin-4-ylamino]-*N*-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-methyl-benzamide;
- 2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-(2-hydroxy-ethyl)-benzamide;
- 2-{2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-oxazolidin-2-ol;
- 2-[5-Chloro-2-(1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-methyl-benzenesulfonamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanecarboxylic acid amide;
- 2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-methyl-benzamide;
- 2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-methyl-benzenesulfonamide;
- 4-Chloro-2-[5-chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-*N*-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-*N*-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-*N*-methyl-benzenesulfonamide;
- N*-((1*R*,2*R*)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;  
 2-{5-Chloro-2-[3-(2-fluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 2-{5-Chloro-2-[3-(2-fluoro-2-methyl-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 N-((1R,2R)-2-{5-Chloro-2-[3-(2-fluoro-2-methyl-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;  
 2-{5-Chloro-2-[3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 2-[5-Chloro-2-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;  
 2-{5-Chloro-2-[3-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 2-[5-Chloro-2-(2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(3-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(3-isopropyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[2-(9-Amino-3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(5,6,8,9-tetrahydro-7-oxa-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-ethyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-isopropyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



- 2-[5-Chloro-2-(10-prop-2-ynyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-methanesulfonyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(10-ethyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 4-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-12-carboxylic acid ethyl ester;
- 2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-prop-2-ynyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-cyclopropanecarbonyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-((1R,2R)-2-[5-Chloro-2-(12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- 2-[5-Chloro-2-(3-chloro-12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5-Chloro-4-[5-chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-12-carboxylic acid ethyl ester;
- 3-Chloro-4-[5-chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-12-carboxylic acid ethyl ester;
- N-(2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

- 2-[2-(12-Aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(12-isopropyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(3-chloro-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-{(1R,2R)-2-[2-(12-Aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- N-{(1R,2R)-2-[5-Chloro-2-(12-isopropyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- N-{(1R,2R)-2-[2-(12-sec-Butyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- N-{(1R,2R)-2-[2-(12-sec-Butyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 2-[5-Chloro-2-(3-chloro-12-isopropyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-chloro-12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[5-chloro-12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- N-{(1R,2R)-2-[2-(12-sec-Butyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 2-[2-(12-Aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-chloro-N-methyl-benzamide;
- 3-Chloro-2-{5-chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- N-{(1R,2R)-2-[5-Chloro-2-(3-methoxy-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- N-{(1R,2R)-2-[5-Chloro-2-(12-ethyl-3-methoxy-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- (+/-)-2-[5-Chloro-2-(12-ethyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



(+/-)-2-[5-Chloro-2-(12-methanesulfonyl-12-aza-tricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-yl)-pyrimidine-2,4-diamine;

N-{2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

2-[5-Chloro-2-(8-methoxy-2-methyl-1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

(2-*exo*,3-*exo*)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-((1R,2R)-2-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[6-methoxy-1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1-(2-methoxy-ethyl)-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[6-methoxy-1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1R,2R,3S,4S)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-exo,3-exo)-3-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 7-[5-Chloro-4-(5-chloro-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- (2-exo,3-exo)-3-[5-Chloro-2-(6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-3,3-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-exo,3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-3,3-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-6-methoxy-3,3-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(1-ethyl-6-methoxy-3,3-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N\*4\*-(5-chloro-2-methoxy-phenyl)-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

N-{(1R,2R)-2-[5-Chloro-2-(1,3-diethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexylmethanesulfonamide};

2-[5-Chloro-2-(1,3-diethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-prop-2-ynyl-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-[5-chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

(2-exo,3-exo)-3-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{5-Chloro-2-[10-(2-methoxy-ethyl)-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-{5-Chloro-2-[10-(2-methoxy-ethyl)-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;

2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-{(1R,2R)-2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.1.0<sup>2,7</sup>]\*]dodeca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

3-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-azepan-2-one;

2-[5-Chloro-2-(7-oxo-6,7,8,9-tetrahydro-5H-benzocyclo-hepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



- (2-exo,3-exo)-3-[5-Chloro-2-(7-oxo-6,7,8,9-tetrahydro-5H-benzocyclo-hepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-{(1R,2R)-2-[5-Chloro-2-(7-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-5,6,8,9-tetrahydro-benzocyclohepten-7-one;
- Cis-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]-azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid amide;
- (2-exo,3-exo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-{(1R,2R)-2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 2-[5-Chloro-2-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-{(1R,2R)-2-[5-Chloro-2-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 5-Chloro-N\*2\*-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(10-methanesulfonyl-12-oxa-10-aza-tricyclo[6.3.1.0\*2,7\*]dodeca-2(7),3,5-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-methyl-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-bromo-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-nitro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-cyano-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-fluoro-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Bromo-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{5-Bromo-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

cis-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanecarboxylic acid methylamide;

3-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-propionamide;

4-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-butyramide;

5-Chloro-N\*2\*-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,6,8,9-tetrahydro-benzocyclohepten-7-one;

5-Chloro-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;

5-Chloro-N\*2\*-(7,7-difluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

7-{5-Chloro-4-[2-(1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*4\*-[2-(1H-imidazol-2-yl)-phenyl]-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

5-Chloro-N\*4\*-[2-(1-ethoxymethyl-1H-imidazol-2-yl)-phenyl]-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

7-[5-Chloro-4-(2-pyridin-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyridin-2-yl-phenyl)-pyrimidine-2,4-diamine;

N-{2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;



N-((1R,2R)-2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
 2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 (2-exo,3-exo)-3-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,3]diazepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;  
 N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-6-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
 N-((2-[5-Chloro-2-(3-ethyl-6-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl)-methanesulfonamide;  
 2-[5-Chloro-2-(3-ethyl-6-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 (1R,2S)-1-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-indan-2-ol;  
 2-[5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 N-(2-[5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino]-phenyl)-methanesulfonamide;  
 5-Chloro-N<sup>4</sup>-(5-chloro-2-methoxy-phenyl)-N<sup>2</sup>-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;  
 N-((1R,2R)-2-[5-Chloro-2-[8-methoxy-3-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
 N-((1R,2R)-2-[5-Chloro-2-[8-methoxy-3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
 5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-[8-methoxy-3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[8-methoxy-3-(2,2,2-trifluoro-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-3-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 2-[5-Chloro-2-(3-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- N-(2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl)-acetamide;
- N-(2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl)-acetamide;
- 2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;



N-((1R,2R)-2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;  
 2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;  
 2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-ethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;  
 2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-isopropyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;  
 2-[5-Chloro-2-(10-cyanomethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;  
 2-{5-Chloro-2-[10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 2-[2-(10-Aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-prop-2-ynyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-{5-Chloro-2-[10-(2-fluoro-ethyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 2-[5-Chloro-2-(10-cyanomethyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-{5-Chloro-2-[10-(2-methoxy-ethyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;  
 2-[2-(10-Acetyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;  
 2-{5-Chloro-2-[10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;

2-[2-(10-Aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-[5-Chloro-2-(10-prop-2-ynyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-[5-Chloro-2-(10-prop-2-ynyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-N-methyl-N-prop-2-ynyl-benzenesulfonamide;

2-[2-(10-Acetyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-{4-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-10-yl}-2,2,2-trifluoro-ethanone;

N-(2-{5-Chloro-2-[10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[(1R,8S)-10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[(1S, 8R)-10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-[2-(10-Aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(10-methanesulfonyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-[2-(10-Acetyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(10-Isopropyl-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

2-{2-[3-Bromo-10-(2,2,2-trifluoro-acetyl)-10-aza-tricyclo[6.3.2.0\*2,7\*]trideca-2,4,6-trien-4-ylamino]-5-chloro-pyrimidin-4-ylamino}-N-methyl-benzamide;



- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-ethyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-ethyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-1-methyl-ethyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-1-methyl-ethyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-propyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-propyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-1,1-dimethyl-ethyl}-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-1,1-dimethyl-ethyl)-methanesulfonamide;
- N-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-2-methyl-propyl)-methanesulfonamide;
- N-{2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-2-methyl-propyl}-methanesulfonamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5,N-dimethyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidine-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidine-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3,N-dimethyl-benzamide;

3,5-Dichloro-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-N-methyl-benzamide;

5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3,5,N-trimethyl-benzamide;

*trans*-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexanol;

*trans*-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanol;

5-Chloro-N\*2\*-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-methanesulfonyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;

N-[(1R,2R)-2-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl]-methanesulfonamide;

N-[2-[5-Chloro-2-(3-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl]-methanesulfonamide;

7-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepine-3-carboxylic acid dimethylamide;

2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;



- N-((1R,2R)-2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (S)-3-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1,1,1-trifluoro-propan-2-ol;
- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- (R)-3-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1,1,1-trifluoro-propan-2-ol;
- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-[-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- (2-*exo*,3-*exo*)-3-{5-Chloro-2-[3-((S)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-isopropyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyclopropyl-benzamide;

- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-isopropyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyclopropyl-benzamide;
- 7-[4-(2-Acetyl-phenylamino)-5-chloro-pyrimidin-2-ylamino]-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 3-Chloro-2-[5-chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- trans-2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanecarboxylic acid amide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-piperidin-1-yl-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)pyrimidin-4-ylamino]-5-morpholin-4-yl-benzamide;
- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-{5-chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Bromo-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3,N-dimethyl-benzamide;
- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- N-(trans-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopentyl)-methanesulfonamide;
- cis-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopentanecarboxylic acid methylamide;



cis-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid methylamide;

N-{trans-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentyl}-methanesulfonamide;

cis-2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid methylamide;

2-[5-Bromo-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-Chloro-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-((1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-((1R,2R)-2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

(2-*exo*,3-*exo*)-3-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

3-Chloro-2-[5-chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-{(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-*exo*,3-*exo*)-3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-{(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-acetamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 2-[5-Chloro-2-(1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;
- 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(4-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-{5-Chloro-2-[1-(2-diethylamino-ethyl)-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;



2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

2-[5-Chloro-2-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

N-{2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-{2-[5-Chloro-2-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-{2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-[5-Chloro-2-(7-chloro-1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;

2-[5-Chloro-2-(1-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;

N-(2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino]-pyrimidin-4-ylamino}-phenyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-{2-[5-Chloro-2-(7-chloro-1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-7-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;

N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)methanesulfonamide;

5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

5-Chloro-N<sup>2</sup>-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N<sup>4</sup>-(3-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-acetamide;

N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-2,2,2-trifluoroacetamide;

3-((1R,2R)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-1,1-dimethyl-urea;

2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;

N-((1R,2R)-2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-2,2,2-trifluoroacetamide;

N<sup>4</sup>-(1R,2R)-2-Amino-cyclohexyl)-5-chloro-N<sup>2</sup>-(3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;

2,2,2-Trifluoro-ethanesulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;

Ethanesulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;



- Cyclopropanesulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;
- Propane-2-sulfonic acid ((1R,2R)-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-amide;
- 2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0(2,7)]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[12-(2-methoxy-ethyl)-12-aza-tricyclo[7.2.1.0(2,7)]dodeca-2(7),3,5-trien-4-ylamino]-pyrimidin-4-ylamino}-3-fluoro-benzoic acid isopropyl ester;
- (2-endo,3-endo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid ethyl ester;
- (2-endo,3-endo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 3-Chloro-2-[5-chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (S)-3-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1,1,1-trifluoropropan-2-ol;
- N-{2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- {8-[5-Chloro-4-(2-methanesulfonylamino-phenylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid methyl ester;
- Acetic acid 2-{8-[5-chloro-4-(2-methanesulfonylamino-phenylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-ethyl ester;
- N-{2-[5-Chloro-2-(4-methanesulfonyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;

- N-((1R,2R)-2-[5-Chloro-2-(1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- Acetic acid 2-{8-[5-chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-ethyl ester;
- N-((1R,2R)-2-[5-Chloro-2-(4-methanesulfonyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[4-(2-hydroxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(4-cyclopropylmethyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(1-methyl-4-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 8-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid dimethylamide;
- N-((1R,2R)-2-{5-Chloro-2-[4-(imidazole-1-carbonyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(4-methanesulfonyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 2-{5-Chloro-2-[4-(2-hydroxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;



- 2-{5-Chloro-2-[4-(imidazole-1-carbonyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-4-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(1-methyl-4-prop-2-ynyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-N-prop-2-ynylbenzamide;
- 8-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid dimethylamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (2-exo,3-exo)-3-{5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-1-methyl-4-((R)-3,3,3-trifluoro-2-hydroxypropyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-(7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-(4-methanesulfonyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[7-methoxy-4-(2-methoxy-ethyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- (R)-3-{8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-7-methoxy-1-methyl-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-1,1,1-trifluoro-propan-2-ol;
- N-((1R,2R)-2-{5-Chloro-2-[1-methyl-7-(2,2,2-trifluoro-ethoxy)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

- N-((1R,2R)-2-{5-Chloro-2-[1-methyl-7-(2,2,2-trifluoro-ethoxy)-4-((R)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(1-isopropyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(3,4-dihydro-2H-benzo[b][1,4]dioxepin-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl benzamide;
- 2-[5-chloro-2-(4-methyl-5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(4-ethyl-5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(6,7,8,9-tetrahydro-5-thia-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(8-ethyl-6,7,8,9-tetrahydro-5-thia-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-{2-[3-Chloro-2-(6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(5,5-dioxo-6,7,8,9-tetrahydro-5H-5lambda\*6\*-thia-8aza-benzoylcyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[8-(2-methoxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino]pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 2-{5-Chloro-2-[8-(2-methoxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;



- N-{2-[5-Chloro-2(5,5dioxo-6,7,8,9-tetrahydro-5H-5lambda\*6\*-thia-8-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenyl}-methanesulfonamide;
- N-((1R,2R)-2[5-Chloro-2-(2,3,4,5-tetrahydro-benzo[f]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[8-(2-hydroxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-azabenzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}cyclohexyl)-methanesulfonamide;
- Acetic acid 2-{2-[5-chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-6,7-dihydro-9H-5-thia-8-aza-benzocyclohepten-8-yl}-ethyl ester;
- Acetic acid 2-{2-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-6,7-dihydro-9H-5-thia-8-aza-benzoylcyclohepten-8-yl}-ethyl ester;
- 2-{5-Chloro-2-[8-(hydroxyl-ethyl)-6,7,8,9-tetrahydro-5-thia -8-aza-benzoylcyclohepten-2-ylamnio]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- (2-exo-3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;
- (2-exo-3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid dimethylamide;
- (2-exo-3-exo)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid isopropylamide;
- (2-exo-3-exo)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;
- (2-exo-3-exo)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid isopropylamide;
- (2-exo-3-exo)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid dimethylamide;

- 2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-benzoic acid isopropyl ester;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-N-methyl-benzamide;
- N\*4\*-[2-exo-3-exo)-3-(1H-Benzoimidazol-2-yl)-bicyclo[2.2.1]hept-5-en-2-yl]-5-chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-exo-3-exo)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;
- 2-{7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-methoxy-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-methoxy-N-methyl-benzamide;
- 7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (2-exo-3-exo)-3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;



- 2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-methoxy-N-methylbenzamide;
- 5-Chloro-N\*4\*-(4-methoxy-2-pyrazol-1-yl-phenyl)-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;
- (2-exo-3-exo)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;
- (2-exo-3-exo)-3-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid methylamide;
- 2-{7-[5-Chloro-4-(4-morpholin-4-yl-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 7-[5-Chloro-4-(4-morpholin-4-yl-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[4-(4-methyl-piperazin-1-yl)-2-pyrazol-1-yl-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 1-{4-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-pyrazol-1-yl-phenyl}-piperidine-4-carboxylic acid;
- 1-{4-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-pyrazol-1-yl-phenyl}-piperidine-4-carboxylic acid;
- 2-{7-[5-Chloro-4-(4-dimethylamino-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- (1S,2S,3R,4R)-3-[2-((S)-7-Acetylamino-1-methoxy-9-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- {7-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-[1,4]dioxan-2-yl-methanone;
- 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-(3-[1,4]dioxan-2-ylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(3-[1,4]dioxan-2-ylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 2-{5-Chloro-2-[3-([1,4]dioxane-2-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynylbenzamide;
- 2-[5-Chloro-2-(3-[1,4]dioxan-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-(3-[1,4]dioxan-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 5-Chloro-N\*4\*-(2-ethyl-4-morpholin-4-yl-phenyl)-N\*2\*-[7-(2,2,2-trifluoroethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- (1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino-cyclohexanecarboxylic acid amide;



- (1S,2R,3S,4R)-3-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 5-Chloro-N<sup>4</sup>\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-N<sup>2</sup>\*-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N<sup>4</sup>\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-N<sup>2</sup>\*-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>\*-(2-methoxy-phenyl)-N<sup>2</sup>\*-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>\*-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 5-Chloro-N<sup>2</sup>\*-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N<sup>2</sup>\*-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>\*-(2-methoxy-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic;

- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-isopropyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-((1R,2R)-2-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 3-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 3-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-1-isopropyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-methyl-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;



- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-methyl-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[1-methoxy-7-(2,2,2-trifluoro-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 1-(2-{5-Chloro-2-[1-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-(5-Chloro-2-{1-methoxy-7-[(2-methoxy-ethyl)-methyl-amino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-(5-Chloro-2-{1-methoxy-7-[(2-methoxy-ethyl)-methyl-amino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



N-[(1R,2R)-2-(5-Chloro-2-{1-methoxy-7-[(2-methoxy-ethyl)-methyl-amino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-cyclohexyl]-methanesulfonamide;

1-(2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;

2-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino)-ethanol;

2-{2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino}-ethanol;

N-((1R,2R)-2-{5-Chloro-2-[4-(2-methoxy-ethyl)-2,3,4,5-tetrahydrobenzo[f][1,4]oxazepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5-Chloro-N\*2\*-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidin-2,4-diamine;

2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-benzoic acid 2-methoxy-ethylester;

(2-exo,3-exo)-3-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

(2-exo,3-exo)-3-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4-ylamino]bicyclo[2.2.1]heptane-2-carboxylic acid amide;

2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;

5-Chloro-N\*4\*(5-chloro-2-methoxy-phenyl-N\*2\*-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-pyrimidine)-2,4-diamine;

(1S,2S,3R,4R)-3[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-8-ylamino)-pyrimidin-4ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- 5-Chloro-N\*2\*,N\*4\*-bis(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-pyrimidin-2,4-diamine;
- 8-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-1,4-diethyl-1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-one;
- 2-{{7-[5-Chloro-4-[1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-2-ylamino]-pyrimidin-2-ylamino]}-8-methoxy-1,2,3,4-tetrahydro-benzo[d]azepin-3-yl-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(1,4-diethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,3,4-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-7-methoxy-4-(2-methoxy-ethyl)-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-{8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-7-methoxy-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 8-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- {2-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-(4-methoxy-2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N(2)-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-yl)-N(4)-[8-(2-methoxy-ethyl)-6,7,8,9-tetrahydro-5-thia-8-aza-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- 2-({5-[5-Chloro-2-(1,4-diethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-2-fluoro-benzyl}-ethyl-amino)-ethanol;



- 2-{7-[5-Chloro-4-(3-{[ethyl-(2-hydroxy-ethyl)-amino]-methyl}-4-fluorophenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydrobenzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- N,N-{(1R,2R)-2-[5-Chloro-2-(1,4-diethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,4-diethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-[5-Chloro-2-(1,4-diethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N,Ndimethylbenzenesulfonamide;
- (1S,2,3R,4R)-3-[5-Chloro-2-(1,4-diethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo(2.2.1)hept-5-ene-2-carboxylic acid amide;
- 2-([5-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-2-fluoro-benzyl]-ethylamino)-ethanol;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-[(1R,2R)-2-[5-Chloro-2-(4-ethyl-7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- (1S,2S,3R,4R)-3[5--Chloro-2-(4-cyanomethyl-7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo(2.2.1)hept-5-ene-2-carboxylic acid amide;
- N-{(1R,2R)-2-[5-Chloro-2-(4-cyclopropylmethyl-7-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

- (1S,2S,3R,4R)-3-[5-Chloro-2-[4-cyclopropylmethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo(2.2.1)hept-5-ene-2-carboxylic acid amide;
- 8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-cyclopropylmethyl-7-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 8-(5-Chloro-4-{3-[(2-hydroxy-ethylamino)-methyl]-4-methoxy-phenylamino}-pyrimidin-2-ylamino)-4-ethyl-7-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 6-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-4-methanesulfonyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 2-{7-[5-Chloro-4-(4-methanesulfonyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo(d)azepin-3-yl}-N,Ndimethyl-acetamide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (2-exo,3-exo)-3-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-benzamide;



5-Chloro-N\*4\*-(5-chloro-2-methoxy-phenyl)-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

(2-exo,3-exo)-3-{2-[3-(2,2-Difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-fluoro-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-(7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;

5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;

7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-3-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-3-propyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-cyclopropylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(3-isopropyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-3-fluorobenzamide;

7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

5-Chloro-N\*2\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;

- 5-Chloro-N<sup>2</sup>\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-(7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N-methyl-acetamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N<sup>4</sup>\*-(5-chloro-2-methoxy-phenyl)-N<sup>2</sup>\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-benzamide;
- 2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-3-fluoro-benzamide;
- 5-Chloro-N<sup>2</sup>\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- 2-(7-{5-Chloro-4-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Fluoro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;



- 2-(7-{5-Chloro-4-[2-methoxy-4-(2-oxa-5-aza-bicyclo[2.2.1]hept-5-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[4-(5-ethyl-2,5-diaza-bicyclo[2.2.1]hept-2-yl)-2-methoxy-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(3-methyl-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Fluoro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N-methyl-acetamide;
- 2-(7-{5-Chloro-4-[3-methyl-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N-methyl-acetamide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;
- {7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetic acid isopropyl ester;
- 2-{7-[5-Chloro-4-(2-methyl-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-methyl-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(3-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[3-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 5-Fluoro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-(7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-acetamide;

2-{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

2-{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

2-{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;

{7-[5-Fluoro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetic acid isopropyl ester;

2-{7-[5-Chloro-4-(2,4-dimethoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

(1S,2S,3R,4R)-3-[2-(3-Carbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

(1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

2-[7-(5-Chloro-4-{2-methoxy-4-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-phenylamino}-pyrimidin-2-ylamino)-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl]-N,N-dimethyl-acetamide;



- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-{7-[5-Chloro-4-(2-methanesulfonylamino-4-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-{5-Chloro-2-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{7-[5-Chloro-4-(2-dimethylamino-4-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[3-(2,2-difluoro-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{7-[5-Chloro-4-(4-methoxy-2-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-methyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-fluoro-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;

- 2-{7-[5-Chloro-4-(4-chloro-2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-{7-[5-Chloro-4-(4-dimethylamino-2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 2-[7-(5-Chloro-4-{2-methoxy-4-[4-(1-methyl-piperidin-4-yl)-piperazin-1-yl]-phenylamino}-pyrimidin-2-ylamino)-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl]-N,N-dimethylacetamide;
- 2-(7-{5-Chloro-4-[2-(morpholine-4-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethylacetamide;
- 2-(7-{5-Chloro-4-[2-(4-methyl-piperazine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethylacetamide;
- 5-Chloro-2-{5-chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-2-{5-chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-2-{5-chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-2-{5-chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-2-(5-chloro-2-{8-methoxy-3-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino}-pyrimidin-4-ylamino)-N,N-dimethylbenzenesulfonamide;



- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-4-trifluoromethyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-(7-{5-Chloro-4-[2-((R)-3-dimethylamino-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-((S)-3-dimethylamino-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-acetamide;
- 2-(1-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-acetamide;
- 2-(1-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-acetamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-dimethylamino-N,N-dimethylbenzenesulfonamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-5-morpholin-4-ylbenzenesulfonamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-dimethylamino-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-5-morpholin-4-ylbenzenesulfonamide;
- 5-Chloro-N(2)-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N(4)-[2-((S)-3-methyl-pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

- 2-(7-{5-Chloro-4-[2-((S)-3-methyl-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-ethanol;
- 2-(7-{5-Chloro-4-[2-((S)-3-methyl-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;
- 3-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-methoxy-7-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-7-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((R)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N<sup>2</sup>-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N<sup>4</sup>-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-(5-Chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-cyclohexyl)-methanesulfonamide;



- (1S,2S,3R,4R)-3-(5-Chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*4\*-(2-methoxy-phenyl)-N\*2\*-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetonitrile;
- 5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- 2-{5-Chloro-2-[7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 5-Chloro-N\*2\*-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 3-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-azepan-2-one;
- (1S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid 2-methoxy-ethyl ester;
- (1S,3R,4R)-3-[5-Chloro-2-((S)-1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid 2-methoxy-ethyl ester;
- 1-{2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzenesulfonyl}-pyrrolidin-3-ol;
- 2-{5-Chloro-2-[7-(3-hydroxy-piperidin-1-yl)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 1-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-yl)-piperidin-3-ol;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(3-hydroxy-piperidin-1-yl)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(3-hydroxy-piperidin-1-yl)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;



- 2-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 1-{2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-yl}-piperidin-3-ol;
- 5-Chloro-N\*2\*-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{2-[1-(2-Methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-5-trifluoromethyl-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{2-[3-(2-Methoxyethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-trifluoromethylpyrimidin-4-ylamino}-3,N-dimethylbenzamide;
- N-Methyl-2-[2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-benzamide;
- N(2)-(3-Ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-5-trifluoromethylpyrimidine-2,4-diamine;
- 3-Fluoro-2-{2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-5-trifluoromethyl-pyrimidin-4-ylamino}-N-methyl-benzamide;
- {3-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- {2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 4-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-methoxy-N-propyl-benzamide;
- {2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenoxy}-acetonitrile;

- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenoxy)-acetonitrile;
- 2-(7-Methoxy-8-{4-[2-(propane-2-sulfonyl)-phenylamino]-5-trifluoromethyl-pyrimidin-2-ylamino}-1,2,4,5-tetrahydro-3-benzazepin-3-yl)-N,N-dimethyl-acetamide;
- (1S,2S,3R,4R)-3-[2-(3-Dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{2-[3-(2-Methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-5-trifluoromethyl-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[2-(7-Morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 7-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-2-methyl-2,3-dihydro-isoindol-1-one;
- 2-{7-[5-Chloro-4-(7-methoxy-2-methyl-3-oxo-2,3-dihydro-1H-isoindol-4-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-3-benzazepin-3-yl}-N,N-dimethyl-acetamide;
- 7-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methoxy-2-methyl-2,3-dihydro-isoindol-1-one;
- 7-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methoxy-2-methyl-2,3-dihydro-isoindol-1-one;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;



- 5-Chloro-N(2)-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzoic acid isopropyl ester;
- N-((1R,2R)-2-[5-Chloro-2-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 7-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-4-(4-isopropyl-piperazin-1-yl)-2-methyl-2,3-dihydro-isoindol-1-one;
- 2-(7-{5-Chloro-4-[7-(4-isopropyl-piperazin-1-yl)-2-methyl-3-oxo-2,3-dihydro-1H-isoindol-4-ylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-3-benzazepin-3-yl)-N,N-dimethyl-acetamide;
- 5-Chloro-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-N(2)-(1-methoxy-6-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;
- 7-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-4-(4-isopropyl-piperazin-1-yl)-2-methyl-2,3-dihydro-isoindol-1-one;
- 5-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-1H-pyrazole-3-carboxylic acid amide;
- 5-Chloro-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-N(4)-(5-methyl-2H-pyrazol-3-yl)-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

- 5-Chloro-N(2)-[1-methoxy-6-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-(2-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-6-ylamino)-ethanol;
- (R)-1-(2-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (S)-1-(2-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 2-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-6-ylamino)-ethanol;
- N-((1R,2R)-2-{5-Chloro-2-[6-(2-hydroxy-ethylamino)-1-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 7-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(5-methyl-[1,3,4]thiadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(5-methyl-[1,3,4]thiadiazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(2-pyrazin-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-pyrimidin-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrimidin-2-yl-phenyl)-pyrimidine-2,4-diamine;



- 7-[5-Chloro-4-(2-thiazol-2-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-thiazol-2-yl-phenyl)-pyrimidine-2,4-diamine;
- 7-(5-Chloro-4-{2-[1-(2-methoxy-ethyl)-1H-imidazol-2-yl]-phenylamino}-pyrimidin-2-ylamino)-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*4\*-{2-[1-(2-methoxy-ethyl)-1H-imidazol-2-yl]-phenyl}-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-oxazol-5-yl-phenyl)-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-oxazol-5-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 6-{2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-phenyl}-1H-pyrimidine-2,4-dione;
- 7-{5-Chloro-4-[2-(3-methoxy-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-methoxy-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-(3-trifluoromethyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(3-trifluoromethyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;

- 7-[5-Chloro-4-(3-pyridin-3-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-oxazol-5-yl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-(7-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethylacetamide;
- 2-(7-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethylacetamide;
- 7-{5-Chloro-4-[2-(4-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(4-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(5-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(5-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(1-methyl-1H-benzoimidazol-4-ylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(1-methyl-1H-benzoimidazol-4-yl)-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(1-methyl-1H-benzoimidazol-4-ylamino)-pyrimidin-2-ylamino]-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-{5-Chloro-4-[2-(6-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(6-methyl-pyridin-2-yl)-phenyl]-pyrimidine-2,4-diamine;



7-{5-Chloro-4-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;

7-{5-Chloro-4-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

7-{5-Chloro-4-[2-(4-trifluoromethyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

7-[5-Chloro-4-(2-trifluoromethyl-1H-benzoimidazol-5-ylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-trifluoromethyl-1H-benzoimidazol-5-yl)-pyrimidine-2,4-diamine;

7-[5-Chloro-4-(2-trifluoromethyl-1H-benzoimidazol-5-ylamino)-pyrimidin-2-ylamino]-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(1S,2S,3R,4R)-3-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*4\*-[2-(3-methoxy-pyridin-2-yl)-phenyl]-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;

2-{5-Chloro-4-[2-(3-methoxy-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;

5-Chloro-N\*4\*-[2-(3-methyl-pyridin-2-yl)-phenyl]-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-pyrimidine-2,4-diamine;

2-{5-Chloro-4-[2-(3-methyl-pyridin-2-yl)-phenylamino]-pyrimidin-2-ylamino}-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-propyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-propyl-benzamide;

2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-propyl-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-propyl-benzamide;

2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-propyl-benzamide;

N-Butyl-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;

N-Butyl-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzamide;

N-Butyl-2-[5-chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;

N-Butyl-2-[5-chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzamide;

N-Butyl-2-{5-chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzamide;

2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

2-[5-Chloro-2-(7-hydroxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

5-Chloro-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

2-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;

5-Chloro-N\*2\*-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ol;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methyl-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-methyl-benzamide;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-fluoro-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-fluoro-benzamide;



- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-cyano-ethyl)-3-fluoro-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N<sup>2</sup>-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N<sup>4</sup>-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-[5-Chloro-2-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N<sup>2</sup>-(3-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl)-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acidamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acidamide;

- 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-cyano-ethyl)-3-methoxy-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-methoxy-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-3-methoxy-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-methoxy-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methoxy-benzamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-methoxy-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-benzamide;
- 5-Chloro-N\*2\*-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;



- 1-(2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N<sup>2</sup>-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>2</sup>-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N<sup>4</sup>-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-methoxy-7-(2-methoxy-ethylamino)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-(2-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino)-ethanol;
- 1-(2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-(2-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino)-ethanol;
- 2-{2-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-7-ylamino}-ethanol;
- 2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzoic acid 2-methoxyethyl ester;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

- N-((1R,2R)-2-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[7-(2-hydroxy-ethylamino)-3-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 1-(2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-methoxy-7-(4-methyl-piperazin-1-yl)-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-(3-dimethylamino-propyl)-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]pyrimidin-4-ylamino}-benzoic acid isopropyl ester;



- 2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methylacetamide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methylacetamide;
- 2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- 2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethylbenzamide;
- 2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methylbenzamide;
- (2-exo,3-exo)-3-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{7-[5-Chloro-4-(5-chloro-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methylacetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluorobenzamide;
- 5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 1-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-2-dimethylaminoethanone;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2-dimethylamino-acetyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 2-{5-Chloro-2-[8-methoxy-3-(3-morpholin-4-yl-propyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-(3-ethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 1-{7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-2-dimethylamino-ethanone;
- 5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-phenyl)-pyrimidine-2,4-diamine;
- 2-{7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;
- 3-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methoxy-benzamide;
- 3-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-benzamide;
- 3-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methoxy-benzamide;
- 3-{5-Chloro-2-[3-(2-dimethylamino-acetyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-benzamide;
- 3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methoxy-benzamide;



- 2-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;
- 2-{7-[5-Chloro-4-(2-ethoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(3-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 4-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methoxy-benzamide;
- 2-{7-[5-Chloro-4-(2-cyanomethoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methanesulfonyl-phenyl)-pyrimidine-2,4-diamine;
- 2-{7-[5-Chloro-4-(5-cyano-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 4-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxybenzamide;
- 2-{7-[5-Chloro-4-(5-cyano-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-acetamide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1-pyrrolidin-1-ylethanone;

- 4-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-benzamide;
- 2-{5-Chloro-2-[8-methoxy-3-(2-oxo-2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-1-pyrrolidin-1-yl-ethanone;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-oxo-2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-oxo-2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 4-{5-Chloro-2-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-benzamide;
- 2-(7-{5-Chloro-4-[4-methoxy-2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethylacetamide;
- 2-{7-[5-Chloro-4-(4-cyano-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-{7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethylacetamide;
- 5-Chloro-N\*4\*-(4-dimethylamino-2-methoxy-phenyl)-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-methoxy-4-(2-methoxy-ethoxy)-phenyl]-pyrimidine-2,4-diamine;



- 2-(7-{5-Chloro-4-[2-methoxy-4-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethylacetamide;
- 2-[5-Chloro-2-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[8-methoxy-3-(1-methyl-1H-imidazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N<sup>4</sup>-(4-dimethylamino-2-methoxy-phenyl)-N<sup>2</sup>-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>-(4-dimethylamino-2-methoxy-phenyl)-N<sup>2</sup>-[8-methoxy-3-(1-methyl-1H-imidazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>-[2-methoxy-4-(2-methoxy-ethoxy)-phenyl]-N<sup>2</sup>-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;
- 5-Chloro-N<sup>4</sup>-[2-methoxy-4-(2-methoxy-ethoxy)-phenyl]-N<sup>2</sup>-[8-methoxy-3-(1-methyl-1H-imidazol-2-ylmethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 4-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methoxy-N-methylbenzamide;
- 4-{5-Chloro-2-[8-methoxy-3-(2-methoxy-1-methoxymethyl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-methoxy-N-methylbenzamide;
- 5-Chloro-N<sup>2</sup>-[3-(2-methanesulfonyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N<sup>4</sup>-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-N<sup>2</sup>-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-pyrimidine-2,4-diamine;

- 2-(7-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 4-[5-Chloro-2-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methoxy-N-methyl-benzamide;
- 2-{5-Chloro-2-[8-methoxy-3-(3-morpholin-4-yl-propyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- 2-[7-(5-Chloro-4-{2-[(2-methoxy-ethyl)-methyl-sulfamoyl]-phenylamino}-pyrimidin-2-ylamino)-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl]-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-5-dimethylamino-N-methyl-benzamide;
- 2-{7-[5-Chloro-4-(2-oxo-1,2-dihydro-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[4-dimethylamino-2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[4-(2-methoxy-ethoxy)-2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(2-methoxy-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 5-Chloro-N\*2\*-(8-methoxy-3-oxazol-2-ylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-acetyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;



- 7-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 2-[5-Chloro-2-(8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- 1-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopropanecarboxylic acid methylamide;
- 1-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopropanecarboxylic acid cyanomethyl-amide;
- 1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopropanecarboxylic acid methylamide;
- 1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopropanecarboxylic acid cyanomethyl-amide;
- 2-{7-[5-Chloro-4-(2,6-dimethoxy-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{2-[3-(2-Azetidin-1-yl-2-oxo-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-chloro-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- 1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid isopropyl ester;
- 1-[5-Chloro-2-(3-dimethylcarbamoylmethyl-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclopentanecarboxylic acid methylamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- 2-(7-{5-Chloro-4-[2-((R)-3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-(7-{5-Chloro-4-[2-((S)-3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-N,N-dimethyl-acetamide;
- 2-{2-[3-(2-Amino-2-methyl-propionyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-5-chloro-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- 2-{7-[5-Chloro-4-(6-methoxy-2-methylamino-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-{7-[5-Chloro-4-(2-methylamino-6-morpholin-4-yl-pyridin-3-ylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(1-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 2-[5-Chloro-2-(8-oxo-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-1,4-benzoxazepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-{3-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-propionitrile;
- 2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- {4-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-acetonitrile;
- {4-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-hydroxy-N-methyl-benzamide;
- 2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;



- {3-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-acetonitrile;
- {2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- [C] {2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 3-{2-[5-Chloro-2-(1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenyl}-propionitrile;
- 3-{2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-phenyl}-propionitrile;
- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-4-nitro-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 3-{2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-1,5-benzodiazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-phenoxy}-propionitrile;
- 3-{2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-propionitrile;
- 4-Amino-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetonitrile;
- 2-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetic acid;
- 8-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 4-Acetylamino-2-[5-chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-methyl-phenoxy)-acetonitrile;
- {2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-methyl-phenoxy}-acetonitrile;
- (2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-methyl-phenoxy)-acetonitrile;
- 8-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-(2-methanesulfonyl-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 7-[5-Chloro-4-(2-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 8-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 8-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-[2-fluoro-6-(propane-2-sulfonyl)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 7-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 8-{5-Chloro-4-[2-fluoro-6-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-benzamide;
- 8-[5-Chloro-4-(2-fluoro-6-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 7-[5-Chloro-4-(2-fluoro-6-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-1,3,4,5-tetrahydro-1-benzazepin-2-one;



- 8-[5-Chloro-4-(2-fluoro-6-methanesulfonyl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-(2-fluoro-6-methanesulfonyl-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 3-({2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 3-({2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 3-[(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenyl)-methyl-amino]-propionitrile;
- 3-({2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 3-({2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenyl}-methyl-amino)-propionitrile;
- 2-[5-Chloro-2-(4-oxo-4,5-dihydro-6-oxa-10b-aza-benz[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(6-oxa-10b-aza-benz[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(6,6-dimethyl-5,6-dihydro-4H-3,10b-diaza-benz[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-[2-(3-Amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 8-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;

- 5-Chloro-N(4)-[2-fluoro-6-(tetrahydro-furan-3-ylmethoxy)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 8-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-ylmethoxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ylamino]-pyrimidin-4-ylamino}-3,5-difluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3,5-difluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[2-(3-Amino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 8-{5-Chloro-4-[2-fluoro-6-(tetrahydro-pyran-4-yloxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-[2-fluoro-6-(tetrahydro-pyran-4-yloxy)-phenyl]-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 8-{4-[2-(3-Benzyloxy-propoxy)-6-fluoro-phenylamino]-5-chloro-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- N(4)-[2-(3-Benzyloxy-propoxy)-6-fluoro-phenyl]-5-chloro-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2-dimethylamino-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 8-[5-Chloro-4-(2,4-difluoro-6-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-1-benzazepin-2-one;
- 5-Chloro-N(4)-(2,4-difluoro-6-morpholin-4-yl-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(5,5-dimethyl-3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(3-Acetylamino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;



- 2-[2-(3-Acetylamino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 3-[2-(3-Acetylamino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-{5-Chloro-2-[3-(2-methoxy-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethylamino)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- Pyrrolidine-1-carboxylic acid {8-[5-chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-amide;
- Pyrrolidine-1-carboxylic acid {8-[5-chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-amide;
- 2-{5-Chloro-2-[(S)-5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[(R)-5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-1-benzazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- {8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-1-benzazepin-3-yl}-carbamic acid methyl ester;
- 2-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-2-[4-oxo-1-(2,2,2-trifluoro-acetyl)-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

- 2-[5-Chloro-2-(4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[4-oxo-1-(2,2,2-trifluoro-acetyl)-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[2-(1-Acetyl-4-oxo-1,2,3,4,5,6-hexahydro-benzo[b][1,5]diazocin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenoxy]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- {5-Chloro-4-[2-fluoro-6-(tetrahydro-furan-3-yloxy)-phenoxy]-pyrimidin-2-yl}-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl]-amine;
- 7-{5-Chloro-4-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(8-methoxy-1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-8-methoxy-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;



7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-{7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;

5-Chloro-N\*2\*-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;

(1R,2R,3S,4S)-3-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(1S,2S,3R,4R)-3-{5-Chloro-2-[1-ethyl-6-methoxy-2-oxo-3-(2,2,2-trifluoroacetyl-amino)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

(1S,2S,3R,4R)-3-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- N-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl)-2,2,2-trifluoro-acetamide;
- N-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2,2,2-trifluoro-acetamide;
- N-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2,2,2-trifluoro-acetamide;
- 2-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;
- 3-Amino-7-{5-chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-((1R,2R)-2-[2-(3-Amino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-{7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2,2,2-trifluoro-acetamide;
- 7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 3-Amino-7-[5-chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((R)-1-ethyl-6-methoxy-3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((S)-1-ethyl-6-methoxy-3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- (1S,2S,3R,4R)-3-[5-Chloro-2-((R)-3-dimethylamino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-((S)-3-dimethylamino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(3-dimethylamino-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 7-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-3-dimethylamino-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[(R)-1-ethyl-6-methoxy-3-(2-methoxy-acetylamino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[(S)-1-ethyl-6-methoxy-3-(2-methoxy-acetylamino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2-methoxy-acetamide;
- (1S,2S,4R)-3-{5-Chloro-2-[3-(2-dimethylamino-acetylamino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[(R)-3-(2-dimethylamino-acetylamino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[(S)-3-(2-dimethylamino-acetylamino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-{7-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-2-dimethylamino-acetamide;

- (1S,2S,3R,4R)-3-{5-Chloro-2-[(R)-3-(cyclopropanecarbonyl-amino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[(S)-3-(cyclopropanecarbonyl-amino)-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- Cyclopropanecarboxylic acid {7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-3-yl}-amide;
- 2-{5-Chloro-2-[3-((R)-3,3,3-trifluoro-2-methoxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-4-methyl-thiophene-2-carboxylic acid methylamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-ethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(8-methoxy-3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;
- 2-[5-Chloro-2-(3-dimethylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(3-dimethylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N,N-dimethyl-acetamide;



2-[5-Chloro-2-(3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

3-Chloro-2-[5-chloro-2-(3-methylcarbamoylmethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-{7-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-N-methyl-acetamide;

2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

5-Chloro-N(4)-(2-chloro-phenyl)-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

5-Chloro-N(4)-cyclohexyl-N(2)-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

trans-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1S,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

cis-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

N-((1R,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-cyanomethyl-methanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-cyanomethyl-methanesulfonamide;

cis-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-cyanomethyl-methanesulfonamide;

trans-N-(4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-cyanomethyl-methanesulfonamide;

N-((1S,3R)-3-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-cyanomethyl-methanesulfonamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-prop-2-ynyl-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-prop-2-ynyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-N-prop-2-ynyl-benzamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-N-prop-2-ynyl-benzamide;

5-Chloro-N(2)-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

N-((1R,2R)-2-{5-Chloro-2-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

2-{5-Chloro-2-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;

5-Chloro-N(2)-[3-(2-fluoro-1-fluoromethyl-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid ethyl ester;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-isobutyl-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-dimethylamino-ethyl)-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-methoxy-ethyl)-benzamide;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(3-methoxy-propyl)-benzamide;



- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(4-dimethylamino-butyl)-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(3-dimethylamino-propyl)-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-[2-(4-methyl-piperazin-1-yl)-ethyl]-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid methyl ester;
- 3-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 2-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-dimethylamino-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-dimethylamino-N-methyl-benzamide;
- 5-Bromo-2-[5-chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 5-Bromo-2-{5-chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 3-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid ethyl ester;
- 4-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-4'-cyano-5-fluoro-biphenyl-3-carboxylic acid methylamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyclopropylmethyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-benzamide;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-benzamide;
- 2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-benzamide;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-dimethylamino-propyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-dimethylamino-propyl ester;
- 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-dimethylamino-propyl ester;



- 3-[5-Chloro-4-(2-prop-2-ynylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 3-dimethylamino-propyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid methyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid methyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid isopropyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid isopropyl ester;
- 3-{5-Chloro-4-[2-fluoro-6-methylcarbamoyl-4-(1-methyl-1H-pyrazol-4-yl)-phenylamino]-pyrimidin-2-ylamino}-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid methyl ester;
- 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid isopropyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 2-methoxyethyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 2-methoxy-ethyl ester;
- 3-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 1-methylpiperidin-3-yl ester;
- 3-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 1-methyl-piperidin-3-yl ester;

- 3-[5-Chloro-4-(2-methylcarbamoyl-thiophen-3-ylamino)-pyrimidin-2-ylamino]-7,8-dihydro-6H-5-oxa-9-aza-benzocycloheptene-9-carboxylic acid 1-methyl-piperidin-3-yl ester;
- N-((1R,2R)-2-[5-Chloro-2-(1-ethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(1-ethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 8-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-one;
- 2-[5-Chloro-2-(4-ethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 8-{5-Chloro-4-[2-(2-morpholin-4-yl-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-1-ethyl-1,2,3,4-tetrahydro-benzo[e][1,4]diazepin-5-one;
- N-((1R,2R)-2-[5-Chloro-2-(1,4-diethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- {8-[4-((1R,2S,3R,4S)-3-Carbamoyl-bicyclo[2.2.1]hept-2-ylamino)-5-chloro-pyrimidin-2-ylamino]-1-ethyl-5-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid 2-methoxy-ethyl ester;
- {8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid 2-methoxy-ethyl ester;
- {8-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-acetic acid 2-methoxy-ethyl ester;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{8-[5-Chloro-4-((1R,2R)-2-methanesulfonylamino-cyclohexylamino)-pyrimidin-2-ylamino]-1-ethyl-7-methoxy-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl}-N,N-dimethyl-acetamide;



N-((1R,2R)-2-{5-Chloro-2-[7-methoxy-5,5-dimethyl-2-oxo-4-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;

8-{5-Chloro-4-[2-(2-morpholin-4-yl-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-enzo[d]azepin-7-yl]-N\*4\*-[2-(2-morpholin-4-yl-ethoxy)-phenyl]-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(5,6-dihydro-4H-3,5,10b-triaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-{5-Bromo-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-{5-Bromo-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-{5-Bromo-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(1-isopropyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-methyl-benzamide;

2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methyl-benzamide;

3-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

3-{5-Chloro-2-[1-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;

4-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-benzo[1,3]dioxole-5-carboxylic acid methylamide;

4-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzo[1,3]dioxole-5-carboxylic acid methylamide;

4-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-benzo[1,3]dioxole-5-carboxylic acid methylamide;

- 4-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-benzo[1,3]dioxole-5-carboxylic acid methylamide;
- [2-(5-Chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-3-fluoro-phenoxy]-acetonitrile;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 3-Chloro-2-(5-chloro-2-{7-[4-(4-methyl-piperazin-1-yl)-piperidin-1-yl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino}-pyrimidin-4-ylamino)-N-methyl-benzamide;
- 2-[2-(1-Acetyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(1-Acetyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(3-morpholin-4-yl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 1-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 8-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-{5-Chloro-4-[2-(5-methyl-[1,3,4]thiadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-2-[3-(2-methoxy-ethylamino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[3-(2-dimethylamino-acetylamino)-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;



- 2-{5-Chloro-2-[3-(2-dimethylamino-acetyl-amino)-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[1-ethyl-3-(2-methoxy-acetyl-amino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[1-ethyl-3-(2-methoxy-acetyl-amino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- N-((cis)-2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclopentyl)-methanesulfonamide;
- (1S,2S)-2-[5-Chloro-2-(3-ethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexanecarboxylic acid amide;
- N-((1R,2R)-2-[5-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-3-methoxy-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Bromo-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-4-(2-methoxy-phenylamino)-pyrimidin-2-ylamino]-3-methoxy-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- (1R,2R,3S,4S)-3-[5-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- {3-[5-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-[5-Chloro-2-(2-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Bromo-2-(2-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- 2-[2-(3-Methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-5-trifluoromethyl-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-Methoxy-2-[4-(2-methoxy-4-morpholin-4-yl-phenylamino)-5-trifluoromethyl-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- {2-[5-Chloro-2-(3-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-Methoxy-3-[4-(2-methoxy-4-morpholin-4-yl-phenylamino)-5-trifluoromethyl-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- {2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenoxy}-acetonitrile;
- (2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenoxy)-acetonitrile;
- 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-{7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1-morpholin-4-yl-ethanone;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-2-oxo-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-ethanol;
- 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-1-morpholin-4-yl-ethanone;
- 5-Chloro-N\*4\*-(4-dimethylamino-2-methoxy-phenyl)-N\*2\*-[8-methoxy-3-(2-morpholin-4-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 2-(5-Chloro-2-{8-methoxy-3-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino}-pyrimidin-4-ylamino)-N,N-dimethylbenzenesulfonamide;
- (1S,2S,3R,4R)-3-(5-Chloro-2-{8-methoxy-3-[2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino}-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

- 2-{7-[5-Chloro-4-(4-dimethylamino-2-methoxy-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-1-(4-methyl-piperazin-1-yl)-ethanone;
- 2-(7-{5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-1-(4-methyl-piperazin-1-yl)-ethanone;
- Amino-acetic acid 2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl ester;
- 2-(7-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-ethanol;
- (S)-2-Amino-3-methyl-butyric acid 2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl ester;
- Phosphoric acid mono-(2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl) ester;
- Propionic acid 2-{7-[5-chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl}-ethyl ester;
- 2-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid 2-methoxy-ethyl ester;
- 2-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzoic acid 2-methoxy-ethyl ester;
- 1-(2-{5-Chloro-2-[3-(2-hydroxy-ethyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;



- 1-(2-{5-Chloro-2-[3-(2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- 1-(7-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-1,2,4,5-tetrahydro-benzo[d]azepin-3-yl)-propan-2-ol;
- (R)-1-(2-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (S)-1-(2-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (S)-1-(2-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (R)-1-(2-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-((S)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-((R)-2-hydroxy-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (R)-1-(2-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;
- (S)-1-(2-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-benzenesulfonyl)-pyrrolidin-3-ol;

- 2-{5-Chloro-2-[3-(2-hydroxy-2-methyl-propyl)-8-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1,5,5-trimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-methyl-benzamide;
- {2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;
- {2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- (2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-phenoxy)-acetonitrile;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-(2-methoxy-ethyl)-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-isopropyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-[5-Chloro-2-(1-isobutyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

(1S,2S,3R,4R)-3-[5-Chloro-2-(1-isobutyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-isobutyl-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethyl-benzenesulfonamide;

2-[2-(1-Acetyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

3-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

1-{8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]azepin-1-yl}-ethanone;

- 2-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[1-(2-methoxy-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[1-(2-methoxy-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[2-(1-Acetyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-acetyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-acetyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynylbenzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- (1S,2S,3R,4R)-3-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-acetyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[2-(1-Acetyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3,5-difluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynylbenzamide;
- 5-Chloro-N\*2\*-[5,5-dimethyl-1-(2-pyrrolidin-1-yl-ethyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;



- 2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- (1S,2S,3R,4R)-3-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N<sup>2</sup>-(5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl)-N<sup>4</sup>-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,5-difluoro-N-methyl-benzamide;
- 2-(5-Chloro-2-{1-[2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetyl]-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino}-pyrimidin-4-ylamino)-3-fluoro-N-methyl-benzamide;
- 2-{2-[1-(2-Amino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-5-chloro-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-(5-Chloro-2-{1-[2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetyl]-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino}-pyrimidin-4-ylamino)-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{2-[1-(2-Amino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-5-chloro-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(pyrrolidine-1-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 8-{5-Chloro-4-[2-(3-hydroxy-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-{5-Chloro-2-[5,5-dimethyl-1-(pyrrolidine-1-carbonyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3,5-difluoro-N-prop-2-ynyl-benzamide;
- 3-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid prop-2-ynylamide;

- 2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-5-(1-methyl-1H-pyrazol-4-yl)-benzamide;
- 8-{5-Chloro-4-[2-((R)-3-dimethylamino-pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- (1S, 2S, 3R, 4R)-3-[5-Chloro-2-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-(1-isopropyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[1-(2-dimethylamino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[1-(2-dimethylamino-acetyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- (1S, 2S, 3R, 4R)-3-[5-Chloro-2-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-(1-ethyl-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[2-(3-Acetylamino-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-cyanomethyl-3-fluoro-Benzamide;



- 2-{5-Chloro-2-[3-(2-methoxy-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-N-cyanomethyl-3-fluoro-benzamide;
- 2-{5-Chloro-2-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- (1S, 2S, 3R, 4R)-3-{5-Chloro-2-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 5-Chloro-N\*2\*-[1-(2-dimethylamino-ethyl)-5,5-dimethyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-yl]-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[1-ethyl-5,5-dimethyl-2-oxo-3-(2,2,2-trifluoro-acetylamino)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-[2-(3-Acetylamino-1-ethyl-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[1-ethyl-3-(2-methoxy-acetylamino)-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- N-{(1R,2R)-2-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 3-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-ethyl-benzamide;

- N-((1R,2R)-2-[5-Chloro-2-(7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[8-[5-Chloro-4-(2-dimethylsulfamoyl-phenylamino)-pyrimidin-2-ylamino]-1-dimethylcarbamoylmethyl-7-methoxy-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepin-4-yl]-N,N-dimethyl-acetamide;
- N-((1R,2R)-2-[2-(4-Acetyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methane-sulfonamide;
- 2-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 8-[5-Chloro-4-[2-(propane-2-sulfonyl)-phenylamino]-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 8-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- 8-[5-Chloro-4-(4-methoxy-2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-4-ethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;
- (1S, 2S, 3R, 4R)-3-[5-Chloro-2-(4-ethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo-[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-(1R,2R)-(2-[5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- (1S, 2S, 3R, 4R)-3-[5-Chloro-2-[7-methoxy-4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- N-(1R,2R)-{2-[5-Chloro-2-(4-cyclopropylmethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;



(1S, 2S, 3R, 4R)-3-[5-Chloro-2-(4-cyclopropylmethyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

8-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-4-cyclopropylmethyl-7-methoxy-1,3,4,5-tetrahydro-benzo[e][1,4]diazepin-2-one;

2-[5-Chloro-2-(8-methoxy-5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

7-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-8-methoxy-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

(1S,2S,3R,4R)-3-{5-Chloro-2-[8-methoxy-3-((S)-3,3,3-trifluoro-2-hydroxy-propyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

N-{(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-N-methylmethanesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-N-ethylmethanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-methylmethanesulfonamide;

N-((1R,2R)-2-{5-Chloro-2-[8-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-N-ethylmethanesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(1-ethyl-8-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-N-methylmethanesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-N-methylmethanesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(1,5,5-trimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-N-methylmethanesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-N-methylmethanesulfonamide;

2-[5-Chloro-2-(1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-N-methyl-benzamide;

5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;

2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N,N-dimethyl-benzenesulfonamide;

N-{(1R,2R)-2-[5-Chloro-2-(9-ethyl-2-fluoro-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

5-Chloro-N\*2\*-(9-ethyl-2-fluoro-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

3-(2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-5-morpholin-4-yl-phenoxy)-propionitrile;

3-{2-[5-Chloro-2-(5,5-dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-morpholin-4-yl-phenoxy}-propionitrile;

2-[5-Chloro-2-(9-ethyl-2-fluoro-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

N-{(1R,2R)-2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;

5-Chloro-N\*2\*-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

8-{5-Chloro-4-[2-fluoro-6-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

5-Chloro-N\*4\*-[2-fluoro-6-(2-methoxy-ethoxy)-phenyl]-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;



- 3-[5-Chloro-2-(9-ethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- (1R,2S,3R,4S,5S,6R)-3-[5-Chloro-2-(1-ethyl-6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-7-ylamino)-pyrimidin-4-ylamino]-5,6-dihydroxy-bicyclo[2.2.1]heptane-2-carboxylic acid amide;
- 2-[4-(2-Allyloxy-6-fluoro-4-morpholin-4-yl-phenylamino)-5-chloro-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 3-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;
- 2-[5-Chloro-2-(9-methyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(9-methyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[4-(2-Allyloxy-4-dimethylamino-6-fluoro-phenylamino)-5-chloro-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- N\*4\*-(2-Allyloxy-4-dimethylamino-6-fluoro-phenyl)-5-chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-N-cyclopropylmethyl-3-fluoro-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-cyclopropylmethyl-3-fluoro-benzamide;

- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 3-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-{5-Chloro-4-[2-(2,3-dihydroxy-propoxy)-6-fluoro-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-ethyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[9-(2-pyrrolidin-1-yl-ethyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-7-morpholin-4-yl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[2-(9-Acetyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;



- 2-{5-Chloro-2-[9-(2-methoxy-acetyl)-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methylbenzamide;
- (2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3-fluoro-phenoxy)-acetic acid methyl ester;
- 2-{5-Chloro-2-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino]-pyrimidin-4-ylamino}-3,5-difluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,5-difluoro-N-prop-2-ynyl-benzamide;
- 5-Chloro-N\*2\*-[3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]-N\*4\*-[2-(pyrrolidine-1-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 8-{5-Chloro-4-[2-(pyrrolidine-1-sulfonyl)-phenylamino]-pyrimidin-2-ylamino}-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- 2-{5-Chloro-4-[2-fluoro-6-(2-hydroxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-2-(9-isopropyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-isopropyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-prop-2-ynyl-benzamide;
- 2-[5-Chloro-2-(9-ethyl-7-hydroxy-7-hydroxymethyl-6,7,8,9-tetrahydro-5-oxa-9-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;

- 2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- {2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 3-Bromo-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-3-trifluoromethyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-4-trifluoromethyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-6,N-dimethyl-benzamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-6-fluoro-N-methyl-benzamide;
- 3,4-Dichloro-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;



- 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid prop-2-ynylamide;
- 5-tert-Butyl-3-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-5-phenyl-thiophene-2-carboxylic acid methyl ester;
- (R)-2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;
- (S)-2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;
- 2-{{5-Fluoro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-yl}-methyl-amino}-N-methyl-benzamide;
- 2-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{{5-Chloro-4-[2-(1H-pyrazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-4-(2,2-difluoro-benzo[1,3]dioxol-4-ylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-4-(1H-indazol-4-ylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 5-Chloro-3-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 5-Bromo-3-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-4,5-dimethyl-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-N-methyl-3-trifluoromethoxy-benzamide;

- 2,5-Dichloro-4-[5-chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 4-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-5-methyl-isoxazole-3-carboxylic acid methylamide;
- 5-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-1-methyl-1H-pyrazole-4-carboxylic acid methylamide;
- 2-{5-Chloro-4-[2-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-fluoro-6-(2-methoxy-ethoxy)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[5-Chloro-4-(2-fluoro-6-prop-2-ynyloxy-phenylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-[4-(2-Allyloxy-6-fluoro-phenylamino)-5-chloro-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{4-[2-(2-Amino-ethoxy)-6-fluoro-phenylamino]-5-chloro-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- N-(2-{2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-3-fluoro-phenoxy}-ethyl)-acetamide;
- 2-{5-Chloro-4-[2-(5-ethylamino-[1,3,4]oxadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-(3-methyl-[1,2,4]oxadiazol-5-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-fluoro-6-(3-methyl-[1,2,4]oxadiazol-5-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-(5-methyl-[1,3,4]oxadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-fluoro-6-(5-methyl-[1,3,4]oxadiazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;
- 2-{5-Chloro-4-[2-(5-methyl-2H-[1,2,4]triazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;



2-{5-Chloro-4-[2-fluoro-6-(5-methyl-oxazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-{5-Chloro-4-[2-(5-methyl-oxazol-2-yl)-thiophen-3-ylamino]-pyrimidin-2-ylamino}-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

2-[5-Chloro-4-(2-methylaminomethyl-phenylamino)-pyrimidin-2-ylamino]-5-methyl-8,9-dihydro-5H-7-oxa-5-aza-benzocyclohepten-6-one;

N-{2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzyl}-N-methylacetamide;

N-{2-[5-Chloro-2-(5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-2-ylamino)-pyrimidin-4-ylamino]-benzyl}-acetamide;

2-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;

3-Chloro-2-[5-chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

(1R,2R,3S,4S)-3-[5-Chloro-2-(3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(2-methyl-3-oxo-2,3-dihydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;

2-[[5-Fluoro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-yl]-methyl-amino]-N-methyl-benzamide;

2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;

8-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;

8-[5-Chloro-4-(2,2-difluoro-benzo[1,3]dioxol-4-ylamino)-pyrimidin-2-ylamino]-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;

- 8-{5-Chloro-4-[2-(1H-pyrazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;
- 3-Chloro-2-[5-chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2,5-Dichloro-4-[5-chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-3-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-methylaminomethyl-phenylamino)-pyrimidin-2-ylamino]-2-methyl-1,2,4,5-tetrahydro-benzo[c]azepin-3-one;
- 2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- {2-[5-Chloro-2-(2-methyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 2-[5-Chloro-2-(4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 2-[5-Chloro-2-(4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-Chloro-2-[5-chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,5,N-trimethyl-benzamide;
- 8-[5-Chloro-4-(2-pyrazol-1-yl-phenylamino)-pyrimidin-2-ylamino]-3-methyl-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 3-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-pyridine-2-carboxylic acid methylamide;



5-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-1-methyl-1H-pyrazole-4-carboxylic acid methylamide;

(R)-2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;

(S)-2-[5-Chloro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-methyl-butyramide;

2-{{5-Fluoro-2-(3-methyl-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ylamino)-pyrimidin-4-yl}-methyl-amino}-N-methyl-benzamide;

8-{{5-Chloro-4-[2-(1H-pyrazol-3-yl)-phenylamino]-pyrimidin-2-ylamino}}-3-methyl-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;

2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-Chloro-2-[5-chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;

2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-ylamino)-pyrimidin-4-ylamino]-3,N-dimethyl-benzamide;

2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

(1R,2R,3S,4S)-3-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

2-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-Chloro-2-[5-chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

3-[5-Chloro-2-(1,1-dimethyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;

- 2-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-Chloro-2-[5-chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 5-Chloro-N\*2\*-(5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-yl)-N\*4\*-[2-fluoro-6-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(1-methyl-5,6-dihydro-4H-3,10b-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-Chloro-2-[5-chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 4-[5-Chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-5-methyl-thiophene-3-carboxylic acid methylamide;
- 2-[5-Chloro-2-(5,6-dihydro-4H-1,3a-diaza-benzo[e]azulen-9-ylamino)-pyrimidin-4-ylamino]-5-fluoro-N-methyl-benzamide;
- 2-[2-(4-Acetyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-[2-(4-Acetyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 3-[2-(4-Acetyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 2-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;



- 3-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-chloro-N-methyl-benzamide;
- 2-[2-(4-Acetyl-1-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(1,4-diethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid benzyl ester;
- 2-[5-Chloro-2-(2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[2-(4-Benzyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 2-[5-Chloro-2-(4-methanesulfonyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[2-oxo-4-(3,3,3-trifluoro-propyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 2-[5-Chloro-2-(4-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 2-{5-Chloro-2-[4-(2-methoxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-N-methyl-benzamide;

- 3-[5-Chloro-2-(4-ethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 3-{5-Chloro-2-[2-oxo-4-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-4-methyl-thiophene-2-carboxylic acid methylamide;
- 2-[5-Chloro-2-(4-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- 3-[5-Chloro-2-(4-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid ethyl ester;
- 2-[5-Chloro-2-(1,4-diethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;
- 3-{5-Chloro-2-[1-ethyl-2-oxo-4-(3,3,3-trifluoro-propyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-thiophene-2-carboxylic acid methylamide;
- 3-[5-Chloro-2-(1-ethyl-4-methanesulfonyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;
- 2-{5-Chloro-2-[1-ethyl-4-(2-hydroxy-ethyl)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino]-pyrimidin-4-ylamino}-3-fluoro-N-methyl-benzamide;
- 3-[5-Chloro-2-(1,4-diethyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-pyrimidin-4-ylamino]-4-methyl-thiophene-2-carboxylic acid methylamide;
- 8-[5-Chloro-4-(2-fluoro-6-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid ethyl ester;
- 8-[5-Chloro-4-(2-fluoro-6-prop-2-ynylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-2-oxo-1,2,3,5-tetrahydro-benzo[e][1,4]diazepine-4-carboxylic acid ethyl ester;



2-[2-(1-Acetyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

3-[2-(1-Acetyl-3-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

2-[2-(1-Acetyl-4-ethyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-8-ylamino)-5-chloro-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide;

2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-7-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-3-fluoro-N-methyl-benzamide; or

3-[5-Chloro-2-(5-ethyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-3-ylamino)-pyrimidin-4-ylamino]-thiophene-2-carboxylic acid methylamide;

or a pharmaceutically acceptable salt form thereof.

8. A compound that is:

2-[5-Chloro-2-(6-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(3-ethyl-7-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

6-[5-Chloro-4-(2-methylcarbamoyl-phenylamino)-pyrimidin-2-ylamino]-12-azatricyclo[7.2.1.0\*2,7\*]dodeca-2(7),3,5-triene-4,12-dicarboxylic acid 12-ethyl ester 4-methyl ester;

2-[5-Chloro-2-(8-methoxy-2-methyl-1-oxo-2,3,4,5-tetrahydro-1H-benzo[c]azepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[5-Chloro-2-(6-methoxy-1-methyl-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-6-methoxy-1-methyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-1-ethyl-6-methoxy-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;

2-[5-Chloro-2-(3-ethyl-9-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

- N-((1R,2R)-2-[5-Chloro-2-(3-ethyl-9-methoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- 2-[5-Chloro-2-(5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;
- 2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;
- N-((1R,2R)-2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-pyrimidin-4-ylamino]-phenyl)-methanesulfonamide;
- 2-((5-Chloro-2-[3-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino)-N-methyl-benzamide;
- N-((2-((5-Chloro-2-[3-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino)-phenyl)-methanesulfonamide;
- N-((2-((5-Chloro-2-[2-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino)-phenyl)-methanesulfonamide;
- N-(((1R,2R)-2-((5-Chloro-2-[2-methyl-5-oxo-1-(2,2,2-trifluoro-acetyl)-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino]-pyrimidin-4-ylamino)-cyclohexyl)-methanesulfonamide;
- 2-((2-(4-Acetyl-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-5-chloro-pyrimidin-4-ylamino)-N-methyl-benzamide;
- N-(((1R,2R)-2-((5-Chloro-2-[7-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino]-pyrimidin-4-ylamino)-cyclohexyl)-methanesulfonamide;
- (2-*exo*,3-*exo*)-3-((5-Chloro-2-[7-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino]-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;



5-Chloro-N(2)-[7-methoxy-3-(2-methoxy-ethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-yl]-N(4)-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;

N-[(1R,2R)-2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-pyrimidin-4-ylamino]-cyclohexyl]methanesulfonamide;

2-[5-Chloro-2-(1,4-dimethyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzenesulfonamide;

2-[5-Chloro-2-(1-methyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)pyrimidin-4-ylamino]-N-methyl-benzamide;

2-[2-(1-Allyl-5-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-9-ylamino)-5-chloro-pyrimidin-4-ylamino]-N-methyl-benzamide;

(2-exo-3-exo)-3-[5-Chloro-2-(2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-N\*2\*-(2,3,4,5-tetrahydrobenzo[b]oxepin-9-yl)pyrimidine-2,4-diamine;

N-[(1R,2R)-2-[5-Chloro-2-(2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)pyrimidin-4-ylamino]-cyclohexyl]-methanesulfonamide;

5-Chloro-N\*4\*-(2-methoxy-phenyl)-N\*2\*-(2,3,4,5-tetrahydrobenzo[b]oxepin-9-yl)-pyrimidine-2,4-diamine;

(1R,2R,3S,4S)-3-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;

5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-[2-methoxy-4-(4-methyl-piperazin-1-yl)-phenyl]-pyrimidine-2,4-diamine;

2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-N-ethyl-benzamide;

2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-N-ethyl-3-fluoro-benzamide;

N-[(1R,2R)-2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-cyclohexyl]-methanesulfonamide;

- 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-(2-methoxy-4-morpholin-4-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-N-(2-cyano-ethyl)-benzamide;
- 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-[2-(1-methyl-1H-imidazol-2-yl)-phenyl]-pyrimidine-2,4-diamine;
- {2-[5-Chloro-2-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-ylamino)-pyrimidin-4-ylamino]-phenoxy}-acetonitrile;
- 5-Chloro-N\*2\*-(5,5-dimethyl-2,3,4,5-tetrahydro-benzo[b]oxepin-9-yl)-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 3-[5-Chloro-2-(4-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid amide;
- 2-[5-Chloro-2-(4-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 5-Chloro-N(2)-(4-methoxy-8-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-yl)-N(4)-[2-(propane-2-sulfonyl)-phenyl]-pyrimidine-2,4-diamine;
- 9-{5-Chloro-4-[2-(1-methyl-1H-imidazol-2-yl)-phenylamino]-pyrimidin-2-ylamino}-8-methoxy-5,5-dimethyl-1,3,4,5-tetrahydro-benzo[b]azepin-2-one;
- N-{(1R,2R)-2-[5-Chloro-2-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-cyclohexyl}-methanesulfonamide;
- 5-Chloro-N\*2\*-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-yl)-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-[5-Chloro-2-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N,N-dimethylbenzenesulfonamide;
- 2-[5-Chloro-2-(2-methoxy-7-morpholin-4-yl-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N-methyl-benzamide;



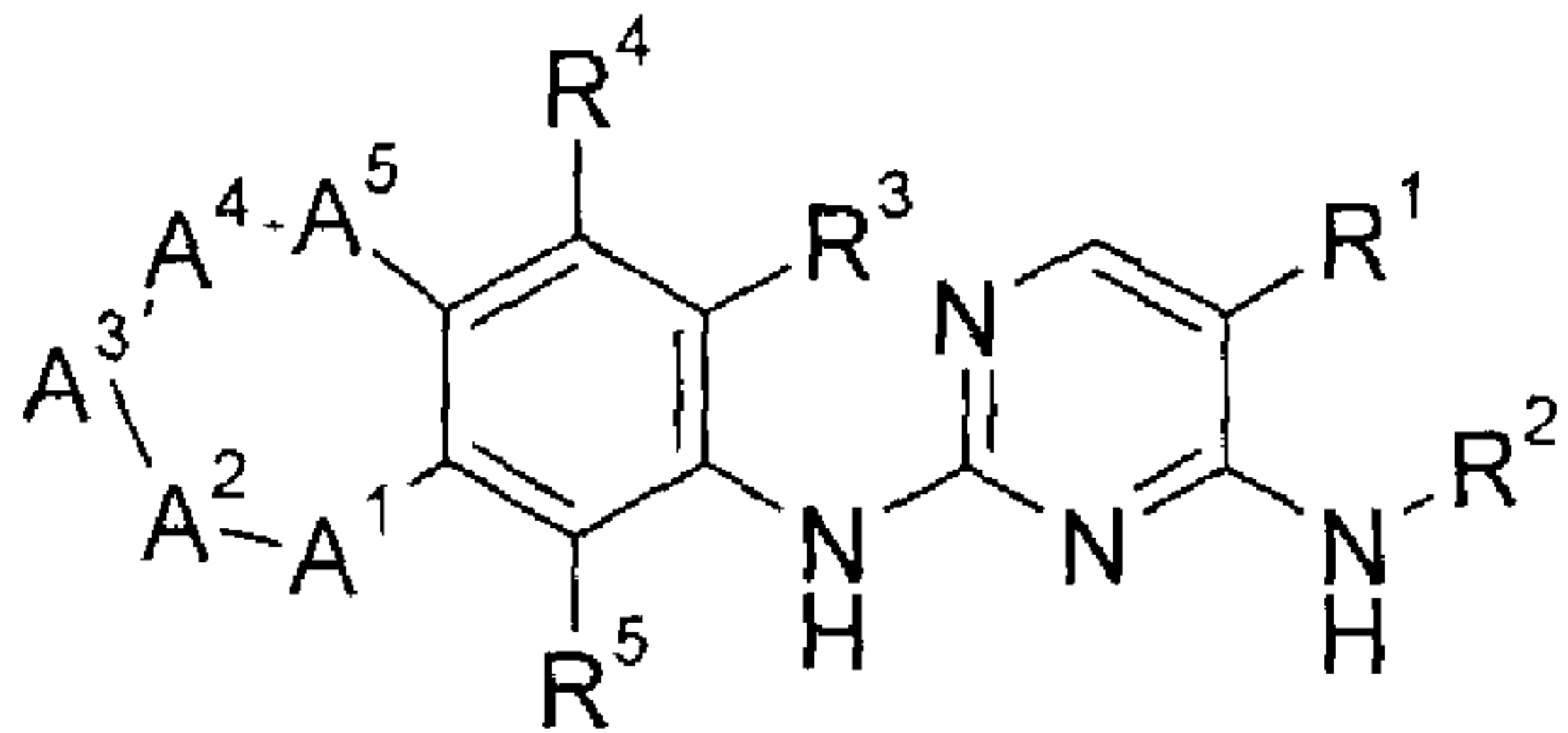
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-cyclohexyl)-methanesulfonamide;
- 5-Chloro-N\*2\*-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-yl]-N\*4\*-(2-pyrazol-1-yl-phenyl)-pyrimidine-2,4-diamine;
- 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-N,N-dimethylbenzenesulfonamide;
- 2-{5-Chloro-2-[7-(2,2-difluoro-ethylamino)-2-methoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-1-ylamino]-pyrimidin-4-ylamino}-N-methylbenzamide;
- 9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-3-ethyl-8-methoxy-1,3,4,5-tetrahydro-benzo[d]azepin-2-one;
- 2-[5-Chloro-2-(3-ethyl-7-methoxy-4-oxo-2,3,4,5-tetrahydro-1H-benzo[d]azepin-6-ylamino)-pyrimidin-4-ylamino]-N-ethylbenzamide;
- 2-[5-Chloro-2-(2-methoxy-5-methyl-6-oxo-5,6,8,9-tetrahydro-7-oxa-5-aza-benzocyclohepten-1-ylamino)-pyrimidin-4-ylamino]-N-methylbenzamide;
- N-((1R,2R)-2-[2-(4-Benzyl-7-methoxy-2-oxo-2,3,4,5-tetrahydro-1H-benzo[e][1,4]diazepin-6-ylamino)-5-chloro-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide;
- N-((1R,2R)-2-[5-Chloro-2-(7-fluoro-5-oxo-2,3,4,5-tetrahydro-benzo[f][1,4]oxazepin-9-ylamino)-pyrimidin-4-ylamino]-cyclohexyl)-methanesulfonamide; or
- 9-[5-Chloro-4-(2-methoxy-4-morpholin-4-yl-phenylamino)-pyrimidin-2-ylamino]-7-fluoro-3,4-dihydro-2H-benzo[f][1,4]oxazepin-5-one;

or a pharmaceutically acceptable salt form thereof.

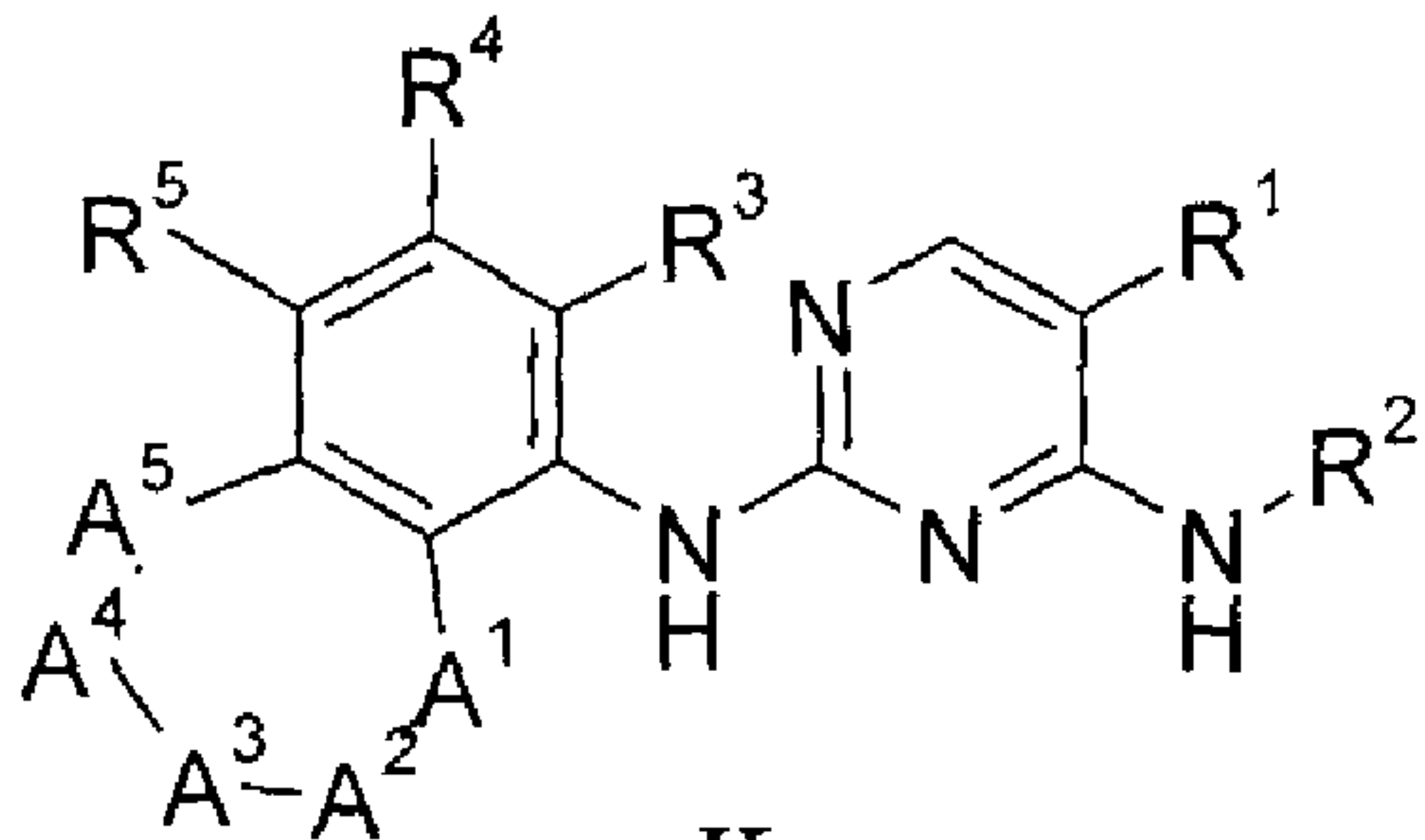
9. The compound or pharmaceutically acceptable salt form thereof of claim 7 or 8, wherein the compound or pharmaceutically acceptable salt form thereof has an ALK kinase  $IC_{50}$  of  $< 0.1 \mu M$ .
10. The compound or pharmaceutically acceptable salt form thereof of any one of claims 7 to 9, wherein the compound or pharmaceutically acceptable salt form thereof has a c-Met kinase  $IC_{50}$  of  $< 0.1 \mu M$ .

11. A pharmaceutical composition comprising a compound or pharmaceutically acceptable salt form thereof as defined in any one of claims 7 to 10, and at least one pharmaceutically acceptable carrier, diluent, or excipient therefor.
12. A use of a compound or pharmaceutically acceptable salt form thereof as defined in any one of claims 7 to 10 or of a pharmaceutical composition as defined in claim 11, for treating a proliferative disorder in a subject.
13. A use of a compound or pharmaceutically acceptable salt form thereof as defined in any one of claims 7 to 10 or of a pharmaceutical composition as defined in claim 11, in the manufacture of a medicament for treating a proliferative disorder in a subject.





I



II