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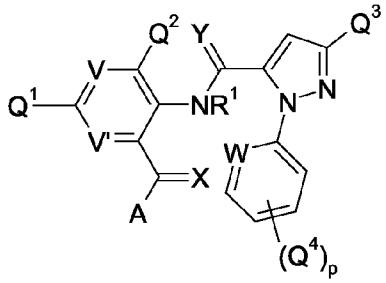
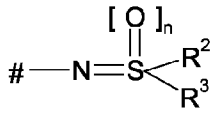
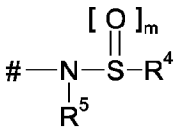
(54) Title: N-THIO-ANTHRANILAMID COMPOUNDS AND THEIR USE AS PESTICIDES



(I)



(A1)



(A2)

(57) Abstract: N-Thio-anthranilamid compounds of Formula (I) wherein A is a group selected from A1 and A2 wherein the variables and the indices are as defined per the description, processes for preparing the compounds (I), pesticidal compositions comprising compounds (I), use of compounds (I) for the control of insects, acarids or nematodes, and methods for treating, controlling, preventing or protecting animals against infestation or infection by parasites by use of compounds of Formula (I).

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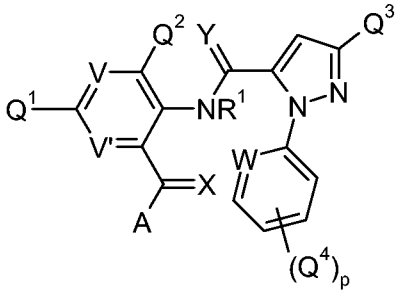
N-Thio-anthranilamid compounds and their use as pesticides

The present invention relates to N-Thio-anthranilamid compounds of formula (I)

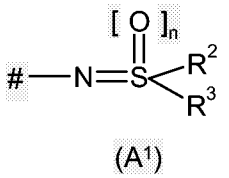


(I)

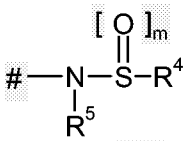
wherein

R^1 is hydrogen; or C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, or C_3-C_8-cycloalkyl, each of which is unsubstituted or substituted with 1 to 5 groups independently selected from halogen, cyano, nitro, hydroxy, C_1-C_{10}-alkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_2-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino and C_3-C_8-cycloalkylamino; or C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl;

A is a group selected from A^1 and A^2



(A^1)



(A^2) ;

wherein

# denotes the binding site;

R^2 and R^3 each independently are R^6, -C(=G)R^7, -C(=NOR^7)R^7, -C(=NNR^7_2)R^7 , -C(=G)OR^7, -C(=G)NR^7_2, -OC(=G) R^7, -OC(=G)OR^7, -NR^7C(=G)R^7, -N[C(=G)R^7]2, -NR^7C(=G)OR^7, -C(=G)NR^7-NR^7_2, -C(=G)NR^7-NR^7[C(=G)R^7], -NR^7-C(=G)NR^7_2, -NR^7-NR^7C(=G)R^7, -NR^7-N[C(=G)R^7]$_2$, -N[(C=G)R^7]-NR^7_2, -NR^7-NR^7[(C=G)GR^7], -NR^7[(C=G)NR^7_2, -NR^7[C=NR^7]R^7, -NR^7(C=NR^7)NR^7_2, -O-NR^7_2, -O-NR^7(C=G)R^7, -SO_2NR^7_2, -N$R^7$$SO_2$$R^7$, -$SO_2OR^7$, -OSO2$R^7$, -O$R^7$, -N$R^7_2$, -S$R^7$, -Si$R^7_3$, -P$R^7_2$, -P(=G)$R^7$, -SO$R^7$, -$SO_2$$R^7$, -P$G_2$$R^7_2$, or -P$G_3$$R^7_2$; or

R^2 and R^3 together with the sulfur atom to which they are attached form a saturated, partially unsaturated or unsaturated 3- to 8-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, which ring can be fused with one or two saturated, partially unsaturated or unsaturated 5- to 6-membered rings which may contain 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur,

wherein all of the above rings are unsubstituted or substituted by any combination of 1 to 6 groups R^8;

G is oxygen or sulfur;

R^6 is C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl, C_2-C_{20}-alkynyl, C_3-C_8-cycloalkyl, C_3-C_8-cycloalkenyl, C_3-C_8-cycloalkynyl, phenyl, naphthyl, biphenyl, or a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein all of these groups are unsubstituted or substituted by any combination of 1 to 6 groups R^8;

R^7 is hydrogen or R^6;

R^8 is R^9; or two groups R^8 together with the atoms to which they are attached form a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which may contain 1 to 4 heteroatoms /heterogroups selected from oxygen, nitrogen, sulfur, SO and SO_2, and which ring system is unsubstituted or substituted with any combination of 1 to 6 groups R^9.

R^9 is R^{10}, R^{11}, -C(=G)R^{10}, -C(=NOR^{10})R^{10}, -C(=NNR$^{10}_2$)R^{10} , -*C*(=G)OR^{10}, -C(=G)NR$^{10}_2$, -OC(=G) R^{10}, -OC(=G)OR^{10}, -NR^{10}C(=G)R^{10}, -N[C(=G)R^{10}]2, -NR^{10}C(=G)OR^{10}, -C(=G)NR^{10}-NR$^{10}_2$, -C(=G)NR^{10}-NR^{10}[C(=G)R^{10}], -NR^{10}-C(=G)NR$^{10}_2$, -NR^{10}-NR^{10}C(=G)R^{10}, -NR^{10}-N[C(=G)R^{10}]$_2$, -N[(C=G)R^{10}]-NR$^{10}_2$, -NR^{10}-NR^{10}[(C=G)GR^{10}], -NR^{10}[(C=G)NR$^{10}_2$, -NR^{10}[C=NR^{10}]R^{10}, -NR^{10}(C=NR^{10})NR$^{10}_2$, -O-NR$^{10}_2$, -O-NR^{10}(C=G)R^{10}, -SO$_2$NR$^{10}_2$, -NR^{10}SO$_2$R^{10}, -SO$_2$OR^{10}, -OSO2R^{10}, -OR^{10}, -NR$^{10}_2$, -SR^{10}, -SiR$^{10}_3$, -PR$^{10}_2$, -P(=G)R^{10}, -SOR^{10}, -SO$_2$R^{10}, -PG$_2$R$^{10}_2$, -PG$_3$R$^{10}_2$, or two groups R^9 together are (=G), (=N-R^{10}), (=CR$^{10}_2$), (=CHR^{10}), or (=CH$_2$);

R^{10} is C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, C_4-C_8-cycloalkenyl, C_3-C_8-cycloalkyl- C_1-C_4-alkyl, C_4-C_8-cycloalkenyl-C_1-C_4-alkyl, C_3-C_8-cycloalkyl-C_2-C_4-alkenyl, C_4-C_8-cycloalkenyl-C_2-C_4-alkenyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkyl, C_2-C_{10}-alkenyl-C_3-C_8-cycloalkyl, C_2-C_{10}-alkynyl-C_3-C_8-cycloalkyl, C_1-C_{10}-alkyl-C_4-C_8-cycloalkenyl, C_2-C_{10}-alkenyl-C_4-C_8-cycloalkenyl, C_2-C_{10}-alkynyl-C_4-C_8-cycloalkenyl,
a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein the above groups are unsubstituted or substituted with any combination of from 1 to 6 groups R^{11};

R^{11} is halogen, cyano, nitro, hydroxy, mercapto, amino, formyl, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxy, C_2-C_{10}-alkenyloxy, C_2-C_{10}-alkynyloxy, C_1-C_{10}-haloalkoxy, C_3-C_{10}-haloalkenyloxy, C_3-C_{10}-haloalkynyloxy, C_3-C_8-cycloalkoxy, C_4-C_8-cycloalkenyloxy,

C_3-C_8-halocycloalkoxy, C_4-C_8-halocycloalkenyloxy, C_3-C_8-cycloalkyl- C_1-C_4-alkoxy, C_4-C_8-cycloalkenyl-C_1-C_4-alkoxy, C_3-C_8-cycloalkyl- C_2-C_4-alkenyloxy, C_4-C_8-cycloalkenyl-C_2-C_4-alkenyloxy, C_1-C_{10}-alkyl-C_3-C_8-cycloalkoxy, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkoxy, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkoxy, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenyloxy, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenyloxy, C_1-C_4-alkoxy-C_1-C_{10}-alkoxy, C_1-C_4-alkoxy-C_2-C_{10}-alkenyloxy, mono- or di(C_1-C_{10}-alkyl)carbamoyl, mono- or di(C_1-C_{10}-haloalkyl)carbamoyl, mono- or di(C_3-C_8-cycloalkyl)carbamoyl, C_1-C_{10}-alkoxycarbonyl, C_3-C_8-cycloalkoxycarbonyl, C_1-C_{10}-alkylcarbonyloxy, C_3-C_8-cyclo alkylcarbonyloxy, C_1-C_{10}-haloalkoxycarbonyl, C_1-C_{10}-haloalkylcarbonyloxy, C_1-C_{10}-alkanamido, C_1-C_{10}-haloalkanamido, C_2-C_{10}-alkenamido, C_3-C_8-cycloalkanamido, C_3-C_8-cycloalkyl-C_1-C_4-alkanamido, C_1-C_{10}-alkylthio, C_2-C_{10}-alkenylthio, C_2-C_{10}-alkynylthio, C_1-C_{10}-haloalkylthio, C_2-C_{10}-haloalkenylthio, C_2-C_{10}-haloalkynylthio, C_3-C_8-cycloalkylthio, C_3-C_8-cycloalkenylthio, C_3-C_8-halocycloalkylthio, C_3-C_8-halocycloalkenylthio, C_3-C_8-cycloalkyl- C_1-C_4-alkylthio, C_4-C_8-cycloalkenyl-C_1-C_4-alkylthio, C_3-C_8-cycloalkyl-C_2-C_4-alkenylthio, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylthio, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylthio, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylthio, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylthio, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylthio, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylthio, C_1-C_{10}-alkylsulfinyl, C_2-C_{10}-alkenylsulfinyl, C_2-C_{10}-alkynylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_2-C_{10}-haloalkenylsulfinyl, C_2-C_{10}-haloalkynylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_3-C_8-cycloalkenylsulfinyl, C_3-C_8-halocycloalkylsulfinyl, C_3-C_8-halocycloalkenylsulfinyl, C_3-C_8-cycloalkyl- C_1-C_4-alkylsulfinyl, C_4-C_8-cycloalkenyl-C_1-C_4-alkylsulfinyl, C_3-C_8-cycloalkyl- C_2-C_4-alkenylsulfinyl, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylsulfinyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylsulfinyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylsulfinyl, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylsulfinyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylsulfinyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_2-C_{10}-alkenylsulfonyl, C_2-C_{10}-alkynylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_2-C_{10}-haloalkenylsulfonyl, C_2-C_{10}-haloalkynylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-cycloalkenylsulfonyl, C_3-C_8-halocycloalkylsulfonyl, C_3-C_8-halocycloalkenylsulfonyl, C_3-C_8-cycloalkyl- C_1-C_4-alkylsulfonyl, C_4-C_8-cycloalkenyl-C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl- C_2-C_4-alkenylsulfonyl, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylsulfonyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylsulfonyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylsulfonyl, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylsulfonyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylsulfonyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylsulfonyl, di(C_1-C_{10}-alkyl)amino, C_1-C_{10}-alkylamino, C_2-C_{10}-alkenylamino, C_2-C_{10}-alkynylamino, C_1-C_{10}-alkyl-C_2-C_{10}-alkenylamino, C_1-C_{10}-alkyl-C_2-C_{10}-alkynylamino, C_1-C_{10}-haloalkylamino, C_2-C_{10}-haloalkenylamino, C_2-C_{10}-haloalkynylamino, C_3-C_8-cycloalkylamino, C_3-C_8-cycloalkenylamino, C_3-C_8-halocycloalkylamino, C_3-C_8-halocycloalkenylamino, C_3-C_8-cycloalkyl- C_1-C_4-alkylamino, C_4-C_8-cycloalkenyl-C_1-C_4-alkylamino, C_3-C_8-cycloalkyl- C_2-C_4-alkenylamino, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-

cycloalkenylamino, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylamino, tri(C_1-C_{10}-alkyl)silyl, aryl, aryloxy, arylthio, arylamino, aryl-C_1-C_4-alkoxy, aryl-C_3-C_4-alkenyloxy, aryl-C_1-C_4-alkylthio, aryl-C_2-C_4-alkenylthio, aryl-C_1-C_4-alkylamino, aryl-C_3-C_4-alkenylamino, aryl-di(C_1-C_4-alkyl)silyl, triarylsilyl, wherein aryl is phenyl, naphthyl or biphenyl, or

a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur,

wherein these aryl and these heterocyclic ringsystems are unsubstituted or substituted with any combination of from 1 to 6 groups selected from halogen, cyano, nitro, amino, hydroxy, mercapto, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkylthio, di(C_1-C_4-alkyl)amino, C_1-C_4-alkylamino, C_1-C_4-haloalkylamino, formyl and C_1-C_4-alkylcarbonyl;

R^4 is $NR^{12}R^{13}$;

R^{12} and R^{13} are each independently hydrogen; or C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl or C_2-C_{20}-alkynyl, each of which is unsubstituted or substituted with any combination of 1 to 6 groups selected from C_1-C_4-alkoxy, C_1-C_4-alkylthio, cyano, nitro, formyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl, and phenyl, wherein phenyl itself is unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

C_1-C_{20}-haloalkyl, C_2-C_{20}-haloalkenyl, C_2-C_{20}-haloalkynyl, C_5-C_{10}-cycloalkenyl, or a saturated or partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, or phenyl or naphthyl, wherein this ring system and phenyl or naphthyl themselves are unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

R^{12} and R^{13} together with the nitrogen atom to which they are attached form a saturated or partially unsaturated 5- to 8-membered heterocycle which besides the one nitrogen atom contains 0 to 2 further heteroatoms selected from oxygen, nitrogen, sulfur, and may contain 1 or 2 carbonyl groups or thiocarbonyl groups and which is unsubstituted or substituted by from 1 to 4 groups selected from C_1-C_4-alkyl, C_1-C_4-alkoxy and C_1-C_4-haloalkyl;

R^5 is hydrogen; or C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl, C_2-C_{20}-alkynyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkylaminocarbonyl, C_1-C_4-alkoxycarbonyl, each of which is unsubstituted or

substituted by from 1 to 6 groups selected from C_1-C_4-alkoxy, C_1-C_4-alkylthio, cyano, nitro, formyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl, and phenyl, wherein phenyl itself is unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

C_1-C_{20}-haloalkyl, C_2-C_{20}-haloalkenyl, C_2-C_{20}-haloalkynyl, C_5-C_{10}-cycloalkenyl, or a saturated or partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, or phenyl or naphthyl, wherein this ring system and phenyl or naphthyl themselves are unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano;

Q^1 and Q^2 each independently are hydrogen, halogen, cyano, SCN, nitro, hydroxy, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_1-C_{10}-alkylsulfonyloxy, C_1-C_{10}-haloalkylsulfonyloxy, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cyclalkylamino, alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl, or tri(C_1-C_{10})-alkylsilyl, or

Q^1 and Q^2 are each independently phenyl, benzyl or phenoxy, wherein each ring is unsubstituted or substituted with any combination of from 1 to 3 substituents independently selected from the group halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl and tri(C_1-C_{10})-alkylsilyl;

Q^3 is halogen; or C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkyl, C_1-C_{10}-haloalkyl-C_3-C_8-cycloalkyl, each unsubstituted or independently substituted with 1 to 2 groups selected from cyano, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, and C_1-C_{10}-alkoxycarbonyl; or

Q^3 is OR^{14}, $S(O)_qR^{14}$, $NR^{15}R^{16}$, $OS(O)_2R^{17}$, $NR^{16}S(O)_2R^{17}$, $C(S)NH_2$, $C(R^{18})=NOR^{18}$, C_3-C_8-cycloalkyl-C_1-C_4-alkyl, C_1-C_{10}-alkylaminothiocarbonyl, or di(C_1-C_{10}-alkyl)aminothiocarbonyl;

R^{14} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_3-C_8-cycloalkyl-C_1-C_4-alkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl-C_1-C_4-alkyl, C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, or C_1-C_{10}-haloalkylcarbonyl, each unsubstituted or substituted with 1 R^{19};

R^{15} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, or C_1-C_{10}-haloalkylcarbonyl, each unsubstituted or substituted with 1 R^{19};

R^{16} is hydrogen; or C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, or C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, each unsubstituted or substituted with 1 R^{19};

R^{17} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, or C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, each unsubstituted or substituted with 1 R^{19};

R^{19} is cyano, nitro, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylamino, or di(C_1-C_{10}-alkyl)amino; or

R^{19} is phenyl or a heteroaromatic 5- or 6-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, the phenyl radical and the heteroaromatic ring being unsubstituted or substituted with any combination of from 1 to 3 groups selected from halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl and tri(C_1-C_{10})-alkylsilyl;

R^{18} is the same or different: hydrogen, C_1-C_{10}-alkyl, or C_1-C_{10}-haloalkyl;

q is 0, 1 or 2;

Q^4 is halogen, cyano, nitro, hydroxy, COOH, $C(O)NH_2$, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl or tri(C_1-C_{10})-alkylsilyl; or

Q^4 is phenyl, benzyl, benzyloxy, phenoxy, a 5- or 6-membered heteroaromatic ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur or an aromatic 8-, 9- or 10-membered fused heterobicyclic ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein each of the above ring systems is unsubstituted or substituted with any combination of from 1 to 3 groups selected from halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl and tri(C_1-C_{10})-alkylsilyl;

X and Y are each independently oxygen or sulfur;

V and V' are each independently N or CQ^2;

W is N, CH or CQ^4;

m is 0, 1 or 2;

n is 0 or 1;

p is 0, 1, 2, 3, or 4;

or the enantiomers or salts or N-oxides thereof.

In addition, the present invention relates to processes for preparing the compounds I, pesticidal compositions comprising compounds I and methods for the control of insects, acarids or nematodes by contacting the insect, acarid or nematode or their food supply,

habitat or breeding grounds with a pesticidally effective amount of compounds or compositions of formula I.

Moreover, the present invention also relates to a method of protecting growing plants from attack or infestation by insects or acarids by applying to the foliage of the plants, or to the soil or water in which they are growing, with a pesticidally effective amount of compositions or compounds of formula I.

This invention also provides a method for treating, controlling, preventing or protecting animals against infestation or infection by parasites which comprises orally, topically or parenterally administering or applying to the animals a parasiticidally effective amount of compositions or compounds of formula I.

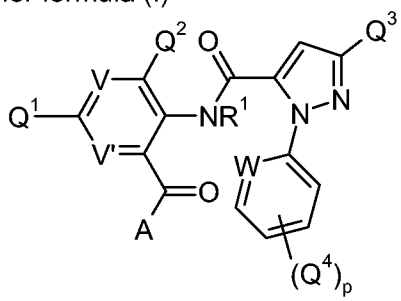
In spite of the commercial insecticides, acaricides and nematicides available today, damage to crops, both growing and harvested, caused by insects and nematodes still occurs. Therefore, there is continuing need to develop new and more effective insecticidal, acaricidal and nematicidal agents.

It was therefore an object of the present invention to provide new pesticidal compositions, new compounds and new methods for the control of insects, acarids or nematodes and of protecting growing plants from attack or infestation by insects, arachnids or nematodes.

We have found that these objects are achieved by the compositions and the compounds of formula I. Furthermore, we have found processes for preparing the compounds of formula I.

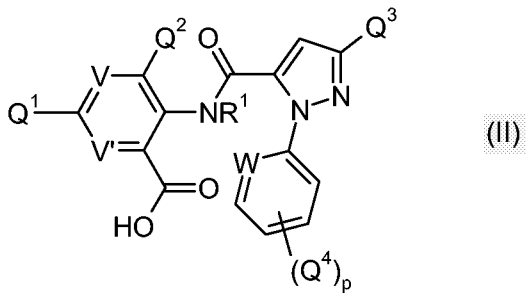
Anthranilamide compounds have been described in a number of patent applications (WO 01/70671, WO 03/015518, WO 03/015519, WO 04/046129). N-Thio-anthranilamide compounds have not been described in the prior art.

Compounds of the formula (I-1) wherein X and Y are oxygen and the other substituents are as defined above for formula (I)



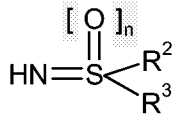
(I-1)

can be prepared by reacting a carboxylic acid of the formula (II)

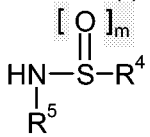


(II)

wherein the variables are as defined for formula (I) in the form of an activated derivative of this acid in the presence of a base with a compound of the formula A^1-H or A^2-H, respectively, wherein the variables are as defined for formula (I).



(A^1-H)



(A^2-H)

Suitable activated derivatives of the acid which may be used are, for example, anhydrides, azolides, or acid halides.

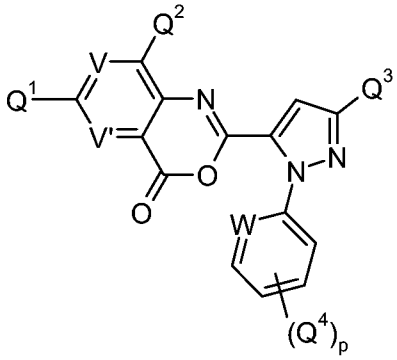
The activated derivatives of the acid can be obtained according to procedures known in the art, e.g. as listed in "Comprehensive Organic Reactions" VCH Publishers 1989, for the anhydride: pp 965-66, for the acid halides: p 978.

Suitable bases are, for example, amines such as triethylamine, diisopropylethylamine, pyridine or lutidine or else alkali hydrides, hydroxides, carbonates, or alkaline earth metal hydroxides, carbonates or bicarbonates.

The amount of the base that can be used in the reaction is usually 1 to 5 moles relative to 1 mole of compound (II).

The reaction is advantageously carried out in an inert solvent such as dichloromethane, chloroform, carbon tetrachloride, benzene, toluene, diethyl ether or tetrahydrofurane, or mixtures of these solvents, in a temperature range between 0°C and 100°C, preferably between 20°C and 50°C.

A preferred procedure for the preparation of specific compounds of formula (I-1) involves the reaction of A^1-H or A^2-H, respectively, with a benzoxazinone of formula (III)



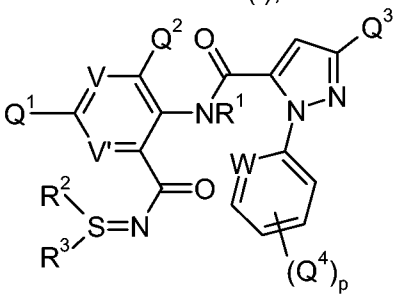
(III)

,

wherein the variables are as defined for formula (I). Typical procedures involve combination of the compounds A^1-H or A^2-H with the benzoxazinone of formula (III) in inert solvent such as dichloromethane, chloroform, carbon tetrachloride, benzene, toluene, diethyl ether or tetrahydrofurane, or mixtures of these solvents, in a temperature range between 0°C and 100°C, preferably between 20°C and 50 °C. Addition of a base can be beneficial. Suitable bases are, for example, tertiary amines such as triethylamine, diisopropylethylamine, pyridine or lutidine or else alkali hydrides, hydroxides, carbonates, or alkaline earth metal hydroxides, carbonates or bicarbonates. The amount of the base that can be used in the reaction is usually 1 to 5 moles relative to 1 mole of compound (III).

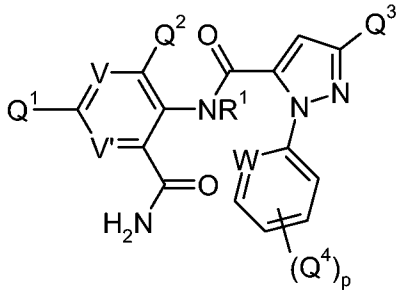
Benzoxazinones are well documented in the chemical literature and are available via known methods that involve the coupling of either an anthranilic acid or an isatoic anhydride with an acid chloride. For references to the synthesis and chemistry of benzoxazinones see Jakobsen et al, *Bioorganic and Medicinal Chemistry*, 2000, 8, 2095-2103 and references cited therein. See also Coppola, *J. Heterocyclic Chemistry*, 1999, 36, 563-588. The benzoxazinones of formula III can also be prepared according to the procedures described in WO 04/046129 or WO 04/011447 as well as according to references cited therein and suitable modifications thereof.

Compounds of the formula (I-2) in which A is A^1, n is 0, X and Y are oxygen and the other variables are as defined for formula (I),



(I-2)

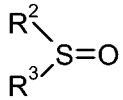
can be prepared by reacting an amide of the formula (IV)



(IV)

,

wherein the variables are as defined for formula (I), with a sulfoxide of the formula (V),



(V)

in the presence of a condensating agent, giving the compounds of formula (I-2) with elimination of water. Suitable condensing agents are, for example, phosphorous oxychloride, phosphorous (V) oxide, methanesulfonyl chloride, sulfuryl chloride, sulfur trichloride, boron triflouride, dicyclohexylcarbodiimide, aryl cyanates or acid anhydrides, preferably triflouroacetic anhydride or triflouromethanesulfonic anhydride.

In the compounds of the formula (I) prepared as described above in which A is A^1, n is 0, X and Y are oxygen and the other variables are as defined for formula (I) the sulfur atom can be oxidized to give the respective compounds of the formula (I) in which n is 1. Suitable oxidizing agents are, for example, sodium periodate or organic peracids, such as 3-chloroperbenzoic acid, see e.g. Houben-Weyl, Methoden der Organischen Chemie, Bd. E11, p. 1299 ff., G. Thieme Verlag, Stuttgart 1985.

The carboxylic acids of formula (II) and the amides of formula (IV) can be prepared, for example, according to the procedures described in WO 04/046129 or WO 04/011447 as well as according to references cited therein and suitable modifications thereof.

After completion of the reaction, the compounds of formula I can be isolated by employing conventional methods such as adding the reaction mixture to water, extracting with an organic solvent, concentrating the extract an the like. The isolated compound (I) can be purified by a technique such as chromatography, recrystallization and the like, if necessary.

Compounds of formula A^1-H can be prepared according to procedures known in the art, e.g. as decribed in US 6 136 983 and references cited therein.

Compounds of formula A^2-H can be prepared according to procedures known in the art, e.g. as described in WO 03/097589 and references cited therein.

Sulfoxides of formula V can be obtained according to procedures known in the art, e.g. as described in J. March, Advanced Organic Chemistry, 4th Edition, Wiley, 1992, p. 1297.

Compounds of formula I, II, III, IV, V, and compounds A^1-H and A^2-H which cannot be prepared according to the above procedures can be prepared according to suitable modifications of the above procedures.

The preparation of the compounds of formula I above may lead to them being obtained as isomer mixtures. If desired, these can be resolved by the methods customary for this purpose, such as crystallization or chromatography, also on optically active adsorbate, to give the pure isomers.

Agronomically acceptable salts of the compounds I can be formed in a customary manner, e.g. by reaction with an acid of the anion in question.

In this specification and in the claims, reference will be made to a number of terms that shall be defined to have the following meanings:

"Salt" as used herein includes adducts of compounds I with maleic acid, dimaleic acid, fumaric acid, difumaric acid, methane sulfenic acid, methane sulfonic acid, and succinic acid. Moreover, included as "salts" are those that can form with, for example, amines, metals, alkaline earth metal bases or quaternary ammonium bases, including zwitterions. Suitable metal and alkaline earth metal hydroxides as salt formers include the salts of barium, aluminum, nickel, copper, manganese, cobalt zinc, iron, silver, lithium, sodium, potassium, magnesium or calcium. Additional salt formers include chloride, sulfate, acetate, carbonate, hydride, and hydroxide. Desirable salts include adducts of compounds I with maleic acid, dimaleic acid, fumaric acid, difumaric acid, and methane sulfonic acid.

"Halogen" will be taken to mean fluoro, chloro, bromo and iodo.

The term "alkyl" as used herein refers to a branched or unbranched saturated hydrocarbon group having 1 to 10 carbon atoms, such as, and preferably, C_1-C_6-alkyl, for example methyl, ethyl, propyl, 1-methylethyl, butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 2,2-dimethylpropyl, 1-ethylpropyl, hexyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl and 1-ethyl-2-methylpropyl.

The term "haloalkyl" as used herein refers to a straight-chain or branched alkyl group having 1 to 10 carbon atoms (as mentioned above), where some or all of the hydrogen atoms in these groups may be replaced by halogen atoms as mentioned above, for example C_1-C_2-haloalkyl, such as chloromethyl, bromomethyl, dichloromethyl, tri-

chloromethyl, fluoromethyl, difluoromethyl, trifluoromethyl, chlorofluoromethyl, dichlorofluoromethyl, chlorodifluoromethyl, 1-chloroethyl, 1-bromoethyl, 1-fluoroethyl, 2-fluoroethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 2-chloro-2-fluoroethyl, 2-chloro-2,2-difluoroethyl, 2,2-dichloro-2-fluoroethyl, 2,2,2-trichloroethyl and pentafluoroethyl;

Similarly, "alkoxy" and "alkylthio" refer to straight-chain or branched alkyl groups having 1 to 10 carbon atoms (as mentioned above) bonded through oxygen or sulfur linkages, respectively, at any bond in the alkyl group. Examples include methoxy, ethoxy, propoxy, isopropoxy, methylthio, ethylthio, propylthio, isopropylthio, and n-butylthio.

Similarly, "alkylamino" refers to a nitrogen atom which carries 1 or 2 straight-chain or branched alkyl groups having 1 to 10 carbon atoms (as mentioned above) which may be the same or different. Examples include methylamino, dimethylamino, ethylamino, diethylamino, methylethylamino, isopropylamino, or methylisopropylamino.

Similarly, "alkylsulfinyl" and "alkylsulfonyl" refer to straight-chain or branched alkyl groups having 1 to 10 carbon atoms (as mentioned above) bonded through -S(=O)- or $-S(=O)_2$-linkages, respectively, at any bond in the alkyl group. Examples include methylsulfinyl and methylsulfonyl.

The term "alkylcarbonyl" refers to straight-chain or branched alkyl groups having 1 to 10 carbon atoms (as mentioned above) bonded through a -C(=O)- linkage, respectively, at any bond in the alkyl group. Examples include acetyl, propionyl, buturyl, or 2-methylbuturyl.

The term "alkenyl" as used herein intends a branched or unbranched unsaturated hydrocarbon group having 2 to 6 carbon atoms and a double bond in any position, such as ethenyl, 1-propenyl, 2-propenyl, 1-methyl-ethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl; 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-1-butenyl, 1-methyl-2-butenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 1-methyl-3-butenyl, 2-methyl-3-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, 1-hexenyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 5-hexenyl, 1-methyl-1-pentenyl, 2-methyl-1-pentenyl, 3-methyl-1-pentenyl, 4-methyl-1-pentenyl, 1-methyl-2-pentenyl, 2-methyl-2-pentenyl, 3-methyl-2-pentenyl, 4-methyl-2-pentenyl, 1-methyl-3-pentenyl, 2-methyl-3-pentenyl, 3-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-4-pentenyl, 2-methyl-4-pentenyl, 3-methyl-4-pentenyl, 4-methyl-4-pentenyl, 1,1-dimethyl-2-butenyl, 1,1-dimethyl-3-butenyl, 1,2-dimethyl-1-butenyl, 1,2-dimethyl-2-butenyl, 1,2-dimethyl-3-butenyl, 1,3-dimethyl-1-butenyl, 1,3-dimethyl-2-butenyl, 1,3-dimethyl-3-butenyl, 2,2-dimethyl-3-butenyl, 2,3-dimethyl-1-butenyl, 2,3-dimethyl-2-butenyl, 2,3-dimethyl-3-butenyl, 3,3-dimethyl-1-butenyl, 3,3-dimethyl-2-butenyl, 1-ethyl-1-butenyl, 1-ethyl-2-

butenyl, 1-ethyl-3-butenyl, 2-ethyl-1-butenyl, 2-ethyl-2-butenyl, 2-ethyl-3-butenyl, 1,1,2-trimethyl-2-propenyl, 1-ethyl-1-methyl-2-propenyl, 1-ethyl-2-methyl-1-propenyl and 1-ethyl-2-methyl-2-propenyl;

The term "alkynyl" as used herein refers to a branched or unbranched unsaturated hydrocarbon group containing at least one triple bond, such as ethynyl, propynyl, 1-butynyl, 2-butynyl, and the like.

A saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, is a ring system wherein two oxygen atoms must not be in adjacent positions and wherein at least 1 carbon atom must be in the ring system e.g. thiophen, furan, pyrrol, thiazol, oxazol, imidazol, isothiazol, isoxazol, pyrazol, 1,3,4-oxadiazol, 1,3,4-thiadiazol, 1,3,4-triazol, 1,2,4-oxadiazol, 1,2,4-thiadiazol, 1,2,4-triazol, 1,2,3-triazol, 1,2,3,4-tetrazol, benzo[b]thiophen, benzo[b]furan, indol, benzo[c]thiophen, benzo[c]furan, isoindol, benzoxazol, benzothiazol, benzimidazol, benzisoxazol, benzisothiazol, benzopyrazol, benzothiadiazol, benzotriazol, dibenzofuran, dibenzothiophen, carbazol, pyridin, pyrazin, pyrimidin, pyridazin, 1,3,5-triazin, 1,2,4-triazin, 1,2,4,5-tetrazin, chinolin, isochinolin, chinoxalin, chinazolin, cinnolin, 1,8-naphthyridin, 1,5-naphthyridin, 1,6-naphthyridin, 1,7-naphthyridin, phthalazin, pyridopyrimidin, purin, pteridin, 4H-chinolizin, piperidin, pyrrolidin, oxazolin, tetrahydrofuran, tetrahydropyran, isoxazolidin or thiazolidin.

A saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur also is e.g.
a saturated, partially unsaturated or unsaturated 5-or 6-membered heterocycle which contains 1 to 4 heteroatoms selected from oxygen, nitrogen and sulfur, such as pyridine, pyrimidine, (1,2,4)-oxadiazole, (1,3,4)-oxadiazole, pyrrole, furan, thiophene, oxazole, thiazole, imidazole, pyrazole, isoxazole, 1,2,4-triazole, tetrazole, pyrazine, pyridazine, oxazoline, thiazoline, tetrahydrofuran, tetrahydropyran, morpholine, piperidine, piperazine, pyrroline, pyrrolidine, oxazolidine, thiazolidine, oxirane or oxetane ; or

a saturated, partially unsaturated or unsaturated 5-or 6-membered heterocycle which contains 1 nitrogen atom and 0 to 2 further heteroatoms selected from oxygen, nitrogen and sulfur, preferably from oxygen and nitrogen, such as piperidine, piperazin and morpholine.

Preferably, this ring system is a saturated, partially unsaturated or unsaturated 3- to 6-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein two oxygen atoms must not be in adjacent positions and wherein at least 1 carbon atom must be in the ring system.

Most preferably, this ring system is a radical of pyridine, pyrimidine, (1,2,4)-oxadiazol, 1,3,4-oxadiazol, pyrrol, furan, thiophen, oxazol, thiazol, imidazol, pyrazol, isoxazol, 1,2,4-triazol, tetrazol, pyrazin, pyridazin, oxazolin, thiazolin, tetrahydrofuran, tetrahydropyran, morpholin, piperidin, piperazin, pyrrolin, pyrrolidin, oxazolidin, thiazolidin, oxiran or oxetan.

Tri(C_1-C_{10})alkylsilyl refers to a silicon atom having 3 straight-chain or branched C_1-C_{10}-alkyl groups as defined above which may be the same or different. Examples include trimethylsilyl, triethylsilyl, triphenylsilyl or triisopropylsilyl.

Cycloalkyl: monocyclic 3- to 6-, or 8-membered saturated carbon atom rings, e.g. C_3-C_8-cycloalkyl such as cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, or cyclooctyl.

With respect to the intended use of the compounds of formula I, particular preference is given to the following meanings of the substituents, in each case on their own or in combination:

A compound of formula I wherein R^1 is hydrogen, C_1-C_6-alkyl, cyano, C_1-C_6-alkylsulfonyl, or C_2-C_6-alkoxycarbonyl, preferably hydrogen or C_1-C_4-alkyl, most preferably hydrogen.

A compound of formula I wherein A is A^1.

A compound of formula I wherein A is A^2.

A compound of formula I wherein R^2 and R^3 each independently are R^6, -C(=O)R^7, -C(=NOR^7)R^7, -C(=NNR^7_2)R^7 , -C(=O)OR^7, -C(=O)NR^7_2, -OC(=O) R^7, -OC(=O)OR^7, C(=O)NR^7-NR^7_2, -C(=O)NR^7-NR^7[C(=O)R^7], or R^2 and R^3 together with the sulfur atom to which they are attached form a saturated, partially unsaturated or unsaturated 3- to 8-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, which ring can be fused with one or two saturated, partially unsaturated or unsaturated 5- to 6-membered rings which may contain 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein all of the above rings are unsubstituted or substituted by any combination of 1 to 6 groups R^8.

More preferably, R^2 and R^3 each independently are R^6 or R^2 and R^3 together with the sulfur atom to which they are attached form a saturated, partially unsaturated or unsaturated 3- to 8-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, which ring can be fused with one or two saturated, partially unsaturated or unsaturated 5- to 6-membered rings which may contain 1 to 4 heteroa-

toms selected from oxygen, nitrogen, sulfur, wherein all of the above rings are unsubstituted or substituted by any combination of 1 to 6 groups R^8.

Even more preferred are compounds of formula I wherein R^2 and R^3 each independently are R^6, preferably hydrogen, C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl, C_2-C_{20}-alkynyl, C_3-C_8-cycloalkyl, C_3-C_8-cycloalkenyl, C_3-C_8-cycloalkynyl, phenyl, naphthyl, biphenyl, or a saturated, partially unsaturated or unsaturated 3- to 8-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein all of these groups are unsubstituted or substituted by any combination of 1 to 6 groups R^9.

Especially preferred are compounds of formula I wherein R^2 and R^3 each independently are C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, or phenyl, wherein these groups are unsubstituted or substituted by any combination of 1 to 6 groups selected from R^{10} or R^{11}, and

R^{10} is C_1-C_{10}-alkyl, C_3-C_8-cycloalkyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkyl or a saturated, partially unsaturated or unsaturated 3- to 8-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein these groups are unsubstituted or substituted with any combination of from 1 to 6 groups R^{11}, and

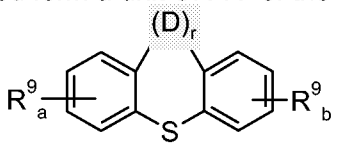
R^{11} is halogen, cyano, nitro, hydroxy, mercapto, amino, formyl, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxy, C_2-C_{10}-alkenyloxy, C_2-C_{10}-alkynyloxy, C_1-C_{10}-haloalkoxy, C_3-C_8-cycloalkoxy, C_3-C_8-halocycloalkoxy, C_1-C_{10}-alkoxycarbonyl, C_3-C_8-cycloalkoxycarbonyl, C_1-C_{10}-alkylcarbonyloxy, C_3-C_8-cyclo alkylcarbonyloxy, C_1-C_{10}-haloalkoxycarbonyl, C_1-C_{10}-haloalkylcarbonyloxy, C_1-C_{10}-alkanamido, C_3-C_8-cycloalkanamido, C_1-C_{10}-alkylthio, C_2-C_{10}-alkenylthio, C_2-C_{10}-alkynylthio, C_1-C_{10}-haloalkylthio, C_3-C_8-cycloalkylthio, C_3-C_8-halocycloalkylthio, C_3-C_8-cycloalkyl-C_1-C_4-alkylthio, C_1-C_{10}-alkylsulfinyl, C_2-C_{10}-alkenylsulfinyl, C_2-C_{10}-alkynylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_3-C_8-halocycloalkenylsulfinyl, C_3-C_8-cycloalkyl-C_1-C_4-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_2-C_{10}-alkenylsulfonyl, C_2-C_{10}-alkynylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-halocycloalkylsulfonyl, C_3-C_8-cycloalkyl-C_1-C_4-alkylsulfonyl, di(C_1-C_{10}-alkyl)amino, C_1-C_{10}-alkylamino, C_2-C_{10}-alkenylamino, C_2-C_{10}-alkynylamino, C_1-C_{10}-alkyl-C_2-C_{10}-alkenylamino, C_1-C_{10}-alkyl-C_2-C_{10}-alkynylamino, C_1-C_{10}-haloalkylamino, C_2-C_{10}-haloalkenylamino, C_3-C_8-cycloalkylamino, tri(C_1-C_{10}-alkyl)silyl, aryl, aryloxy, arylthio, arylamino, wherein aryl is phenyl, naphthyl or biphenyl, or a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein these aryl and these heterocyclic ringsystems are unsubstituted or substituted with any combination of from 1 to 6 groups selected from halogen, cyano, nitro, amino, hydroxy, mercapto, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkylthio, di(C_1-C_4-alkyl) amino and C_1-C_4-alkylamino.

More preferred are compounds of formula I wherein R^2 and R^3 each independently are C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, or phenyl, wherein these groups are unsubstituted or substituted by any combination of 1 to 6 groups selected from R^{11}, and

R^{11} is halogen, cyano, nitro, hydroxy, mercapto, amino, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_3-C_8-cycloalkoxy, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylcarbonyloxy, C_1-C_{10}-alkanamido, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, di(C_1-C_{10}-alkyl)amino or C_1-C_{10}-alkylamino.

Preferred are also compounds of formula I wherein R^2 and R^3 together with the sulfur atom to which they are attached form a 5- or 6-membered heterocycle which besides the sulfur atom contains 1 nitrogen or 1 oxygen atom, wherein these groups are unsubstituted or substituted by any combination of 1 to 6 groups selected from with any combination of from 1 to 6 groups selected from halogen, cyano, nitro, amino, hydroxy, mercapto, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkylthio, di(C_1-C_4-alkyl) amino and C_1-C_4-alkylamino.

Preferred are also compounds of formula I wherein R^2 and R^3 together with the sulfur atom to which they are attached form a unit SR^2R^3 of the following formula:



wherein

r is 0 or 1;

D is a direct bond, branched or straight C_1-C_4-alkylene, O, $S(O)_{0,1,2}$ or NR^j, preferably CH_2, O, or NR^j;

R^9 is as defined above for compounds of formula I;

R^j is hydrogen, C_1-C_4-alkyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, or C_1-C_4-alkylsulfonyl;

a,b are the same or different 0, 1, 2, 3 or 4, preferably 0, 1, or 2.

When r = 0 then the both arylgroups are unbridged.

Preferred are compounds of formula I wherein R^9 is R^{10}, R^{11}, or $-C(=O)R^{10}$, $-C(=NOR^{10})R^{10}$, $-C(=NNR^{10}_2)R^{10}$, $-C(=O)OR^{10}$, $-C(=O)NR^{10}_2$, $-C(=O)NR^{10}$-NR^{10}_2, $-C(=O)NR^{10}$-$NR^{10}[C(=O)R^{10}]$, $-SO_2NR^{10}_2$, $-OR^{10}$, $-NR^{10}_2$, or $-SR^{10}$.

Preferred are compounds of formula I wherein R^4 is $NR^{12}R^{13}$ and

R^{12} and R^{13} are each independently hydrogen, C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl or C_2-C_{20}-alkynyl, each of which is unsubstituted or substituted by from 1 to 6 groups selected from C_1-C_4-alkoxy, C_1-C_4-alkylthio, CN, NO_2, formyl, C_1-C_4-alkylcarbonyl, C_1-C_4-

alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl, and phenyl, wherein phenyl itself is unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

C_1-C_{20}-haloalkyl, C_2-C_{20}-haloalkenyl, C_2-C_{20}-haloalkynyl, C_5-C_{10}-cycloalkenyl, or a saturated or partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein this ring system is unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

R^{12} and R^{13} together with the nitrogen atom to which they are attached may also form a saturated or partially unsaturated 5- to 8-membered heterocycle which besides the one nitrogen atom contains 0 to 2 further heteroatoms selected from oxygen, nitrogen, sulfur and may contain 1 or 2 carbonyl groups or thiocarbonyl groups and which is unsubstituted or substituted by from 1 to 4 groups selected from C_1-C_4-alkyl, C_1-C_4-alkoxy and C_1-C_4-haloalkyl.

More preferred are compounds of formula I wherein R^4 is $NR^{12}R^{13}$ and

R^{12} and R^{13} are each independently hydrogen, C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl or C_2-C_{20}-alkynyl, each of which is unsubstituted or substituted by from 1 to 3 CN, C_1-C_{20}-haloalkyl, or R^{12} and R^{13} together with the nitrogen atom to which they are attached may also form a saturated or partially unsaturated 5- to 8-membered heterocycle which besides the one nitrogen atom contains 0 to 2 further heteroatoms selected from oxygen, nitrogen, sulfur, and may contain 1 or 2 carbonyl groups or thiocarbonyl groups and which is unsubstituted or substituted by from 1 to 4 groups selected from C_1-C_4-alkyl, C_1-C_4-alkoxy and C_1-C_4-haloalkyl.

Especially preferred are compounds of formula I wherein R^4 is $NR^{12}R^{13}$ and R^{12} and R^{13} together with the nitrogen atom to which they are attached are a saturated or partially unsaturated 5- or 6-membered nitrogen heterocycle which may be substituted by from 1 to 4 groups selected from C_1-C_4-alkyl, C_1-C_4-alkoxy and C_1-C_4-haloalkyl, in particular 2,5-dihydropyrrol-1-yl, 2,3-dihydropyrrol-1-yl, 1-pyrrolidinyl, 1-piperidinyl, 4-morpholinyl, 2-methylmorpholin-4-yl, 2,6-dimethylmorpholin-4-yl, or 1-methylpiperazin-4-yl.

Preferred are compounds of formula I wherein R^5 is hydrogen.

Preferred are compounds of formula I wherein Q^1 is hydrogen, halogen, cyano, SCN, nitro, hydroxy, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-

haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylsulfonyloxy, C_1-C_{10}-alkylamino or di(C_1-C_{10}-alkyl)amino, most preferably hydrogen, halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl.

Preferred are compounds of formula I wherein Q^2 is halogen, cyano, SCN, nitro, hydroxy, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylsulfonyloxy, C_1-C_{10}-alkylamino or di(C_1-C_{10}-alkyl)amino, most preferably halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl.

Preferred are compounds of formula I wherein Q^3 is halogen, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, each unsubstituted or independently substituted with 1 to 2 groups selected from cyano, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy or C_1-C_{10}-alkylthio, or

Q^3 is OR^{14}, $S(O)_qR^{14}$, $NR^{15}R^{16}$, $OS(O)_2R^{17}$, $C(S)NH_2$, $C(R^{18})=NOR^{18}$; and

R^{14} is C_1-C_{10}-alkyl or C_3-C_8-cycloalkyl unsubstituted or substituted with 1 R^{19}; and

R^{15} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, each unsubstituted or substituted with 1 R^{19}; and

R^{16} is hydrogen, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, each unsubstituted or substituted with 1 R^{19}; and

R^{17} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, each unsubstituted or substituted with 1 R^{19}; and

R^{18} is hydrogen, C_1-C_{10}-alkyl, or C_1-C_{10}-haloalkyl; and

R^{19} is cyano, nitro, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, or C_1-C_{10}-haloalkylthio.

Most preferred are compounds of formula I wherein Q^3 is halogen, C_1-C_4-haloalkyl or C_1-C_4-haloalkoxy.

Preferred are compounds of formula I wherein Q^4 is halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, or C_1-C_{10}-alkoxycarbonyl, preferably halogen or C_1-C_4-haloalkyl.

Preferred are compounds of formula I wherein X and Y are oxygen.

Preferred are compounds of formula I wherein W is N or CQ^4, preferably N.

Preferred are compounds of formula I wherein m is 2.

Preferred are compounds of formula I wherein n is 0.

Preferred are compounds of formula I wherein V and V' each independently are N or CH. Preferably, both V and V' are CH.

Especially preferred are N-thio-anthranilamid compounds of formula I wherein

W is N;

R^1 is hydrogen;

Q^1 is hydrogen, halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl;

Q^2 is halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl;

Q^3 is halogen, C_1-C_4-haloalkyl or C_1-C_4-haloalkoxy;

Q^4 is halogen or C_1-C_4-haloalkyl and is in the ortho-position; and

p is 1.

Also, especially preferred are N-thio-anthranilamid compounds of formula I wherein

A is A^2;

R^4 is C_1-C_6-alkylamino, C_2-C_6-alkenylamino, C_2-C_6-alkynylamino, di(C_1-C_6-alkyl)amino, di(C_2-C_6-alkenyl)amino, di(C_2-C_6-alkynyl)amino, (phenyl)(C_1-C_6-alkyl)amino, (phenyl)(C_2-C_6-alkenyl)amino, (phenyl)(C_2-C_6-alkynyl)amino, piperidine, piperazin or morpholine; and

R^5 is hydrogen or C_1-C_4-alkyl.

Also, especially preferred are N-thio-anthranilamid compounds of formula I wherein

A is A^1; and

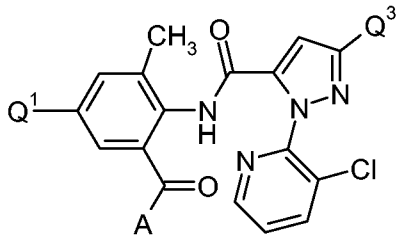
R^2 and R^3 each independently are phenyl, C_1-C_6-alkyl, C_2-C_6-alkenyl, or C_2-C_6-alkynyl, which are unsubstituted or substituted with any combination of 1 to 6 groups selected from halogen and cyano.

Most preferred are compounds of formula I wherein R^2 and R^3 each independently are C_1-C_4-alkyl, phenylmethyl, allylmethyl, propargylmethyl, or together with the sulfur atom to which they are attached form a 3- to 6-membered saturated ring which contains 1 to 3 heteroatoms selected from sulfur and oxygen.

With respect to their use, particular preference is given to the compounds IA compiled in the tables below. Moreover, the groups mentioned for a substituent in the tables are on their own, independently of the combination in which they are mentioned, a particularly preferred embodiment of the substituent in question.

Table 1

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.



(IA)

Table 2

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 3

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 4

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 5

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 6

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 7

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 8

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 9

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 10

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 11

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 12

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 13

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 14

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 15

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 16

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 17

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 18

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 19

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 20

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 21
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 22
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 23
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 24
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 25
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 26
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 27
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 28
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 29
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 30
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 31

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 32

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 33

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 34

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 35

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 36

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 37

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 38

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 39

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 40

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 41

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 42
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 43
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.

Table 44
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 45
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 46
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 47
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 48
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 49
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 50
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 51
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 52

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 53

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 54

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 55

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 56

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 57

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 58

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 59

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 60

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 61

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 62

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 63
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 64
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 65
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 66
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 67
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 68
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 69
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 70
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 71
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 72
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 73

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 74

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 75

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 76

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 77

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 78

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 79

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 80

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 81

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 82

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 83

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 84
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 85
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.

Table 86
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 87
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 88
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 89
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 90
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 91
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 92
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 93
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 94

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 95

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 96

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 97

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 98

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 99

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 100

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 101

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 102

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 103

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 104

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 105
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 106
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 107
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 108
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 109
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 110
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 111
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 112
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 113
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 114
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 115

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 116

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 117

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 118

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 119

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 120

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 121

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 122

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 123

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 124

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 125

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 126
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 127
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.

Table 128
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 129
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 130
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 131
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 132
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 133
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 134
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 135
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 136

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 137

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 138

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 139

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 140

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 141

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 142

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 143

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 144

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 145

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 146

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 147
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 148
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 149
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 150
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 151
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 152
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 153
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 154
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 155
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 156
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 157

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 158

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 159

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 160

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 161

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 162

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 163

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 164

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 165

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 166

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 167

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 168
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 169
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.

Table 170
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 171
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 172
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 173
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 174
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 175
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 176
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 177
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 178

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 179

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 180

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 181

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 182

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 183

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 184

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 185

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 186

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 187

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 188

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 189
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 190
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 191
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 192
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 193
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 194
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 195
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 196
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 197
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 198
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 199

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 200

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 201

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 202

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 203

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 204

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 205

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 206

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 207

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 208

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 209

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 210
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 211
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.

Table 212
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 213
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 214
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 215
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 216
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 217
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 218
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 219
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 220

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 221

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 222

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 223

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 224

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 225

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 226

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 227

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 228

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 229

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 230

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 231
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 232
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 233
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 234
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 235
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 236
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 237
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 238
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 239
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 240
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 241

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 242

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 243

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 244

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 245

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 246

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 247

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 248

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 249

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 250

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 251

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 252
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 253
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CF_3, and A in each case corresponds to a row of Table A.

Table 254
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes bromine, and A in each case corresponds to a row of Table A.

Table 255
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes chlorine, and A in each case corresponds to a row of Table A.

Table 256
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_3, and A in each case corresponds to a row of Table A.

Table 257
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table A.

Table 258
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table A.

Table 259
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table A.

Table 260
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table A.

Table 261
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table A.

Table 262

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table A.

Table 263

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table A.

Table 264

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 265

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table A.

Table 266

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 267

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table A.

Table 268

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 269

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 270

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 271

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table A.

Table 272

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 273
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 274
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table A.

Table 275
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 276
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table A.

Table 277
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table A.

Table 278
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table A.

Table 279
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table A.

Table 280
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table A.

Table 281
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table A.

Table 282
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table A.

Table 283

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table A.

Table 284

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table A.

Table 285

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table A.

Table 286

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table A.

Table 287

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 288

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

Table 289

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table A.

Table 290

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table 291

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table A.

Table 292

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table A.

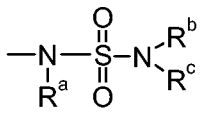
Table 293

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table A.

Table 294

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table A.

Table A

No.	A	R^a	R^b	R^c
IA-1	 A².1	H	CH_3	CH_3
IA-2	A².1	H	CH_2CH_3	CH_3
IA-3	A².1	H	$CH_2CH_2CH_3$	CH_3
IA-4	A².1	H	$CH(CH_3)_2$	CH_3
IA-5	A².1	H	$CH_2CH_2CH_2CH_3$	CH_3
IA-6	A².1	H	$CH_2CH(CH_3)_2$	CH_3
IA-7	A².1	H	CH_2CHCH_2	CH_3
IA-8	A².1	H	CH_2CCH	CH_3
IA-9	A².1	H	C_6H_5	CH_3
IA-10	A².1	CH_3	CH_3	CH_3
IA-11	A².1	CH_3	CH_2CH_3	CH_3
IA-12	A².1	CH_3	$CH_2CH_2CH_3$	CH_3
IA-13	A².1	CH_3	$CH(CH_3)_2$	CH_3
IA-14	A².1	CH_3	$CH_2CH_2CH_2CH_3$	CH_3
IA-15	A².1	CH_3	$CH_2CH(CH_3)_2$	CH_3
IA-16	A².1	CH_3	CH_2CHCH_2	CH_3
IA-17	A².1	CH_3	CH_2CCH	CH_3
IA-18	A².1	CH_3	C_6H_5	CH_3
IA-19	A².1	$CH(CH_3)_2$	CH_3	CH_3
IA-20	A².1	$CH(CH_3)_2$	CH_2CH_3	CH_3
IA-21	A².1	$CH(CH_3)_2$	$CH_2CH_2CH_3$	CH_3
IA-22	A².1	$CH(CH_3)_2$	$CH(CH_3)_2$	CH_3
IA-23	A².1	$CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$	CH_3
IA-24	A².1	$CH(CH_3)_2$	$CH_2CH(CH_3)_2$	CH_3

No.	A	R^a	R^b	R^c
IA-25	$A^2.1$	$CH(CH_3)_2$	CH_2CHCH_2	CH_3
IA-26	$A^2.1$	$CH(CH_3)_2$	CH_2CCH	CH_3
IA-27	$A^2.1$	$CH(CH_3)_2$	C_6H_5	CH_3
IA-28	$A^2.1$	H	CH_2CH_3	CH_2CH_3
IA-29	$A^2.1$	H	$CH_2CH_2CH_3$	CH_2CH_3
IA-30	$A^2.1$	H	$CH(CH_3)_2$	CH_2CH_3
IA-31	$A^2.1$	H	$CH_2CH_2CH_2CH_3$	CH_2CH_3
IA-32	$A^2.1$	H	$CH_2CH(CH_3)_2$	CH_2CH_3
IA-33	$A^2.1$	H	CH_2CHCH_2	CH_2CH_3
IA-34	$A^2.1$	H	CH_2CCH	CH_2CH_3
IA-35	$A^2.1$	H	C_6H_5	CH_2CH_3
IA-36	$A^2.1$	CH_3	CH_2CH_3	CH_2CH_3
IA-37	$A^2.1$	CH_3	$CH_2CH_2CH_3$	CH_2CH_3
IA-38	$A^2.1$	CH_3	$CH(CH_3)_2$	CH_2CH_3
IA-39	$A^2.1$	CH_3	$CH_2CH_2CH_2CH_3$	CH_2CH_3
IA-40	$A^2.1$	CH_3	$CH_2CH(CH_3)_2$	CH_2CH_3
IA-41	$A^2.1$	CH_3	CH_2CHCH_2	CH_2CH_3
IA-42	$A^2.1$	CH_3	CH_2CCH	CH_2CH_3
IA-43	$A^2.1$	CH_3	C_6H_5	CH_2CH_3
IA-44	$A^2.1$	$CH(CH_3)_2$	CH_2CH_3	CH_2CH_3
IA-45	$A^2.1$	$CH(CH_3)_2$	$CH_2CH_2CH_3$	CH_2CH_3
IA-46	$A^2.1$	$CH(CH_3)_2$	$CH(CH_3)_2$	CH_2CH_3
IA-47	$A^2.1$	$CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$	CH_2CH_3
IA-48	$A^2.1$	$CH(CH_3)_2$	$CH_2CH(CH_3)_2$	CH_2CH_3
IA-49	$A^2.1$	$CH(CH_3)_2$	CH_2CHCH_2	CH_2CH_3
IA-50	$A^2.1$	$CH(CH_3)_2$	CH_2CCH	CH_2CH_3
IA-51	$A^2.1$	$CH(CH_3)_2$	C_6H_5	CH_2CH_3
IA-52	$A^2.1$	H	$CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-53	$A^2.1$	H	$CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-54	$A^2.1$	H	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-55	$A^2.1$	H	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-56	$A^2.1$	H	CH_2CHCH_2	$CH_2CH_2CH_3$

No.	A	R^a	R^b	R^c
IA-57	A2.1	H	CH_2CCH	$CH_2CH_2CH_3$
IA-58	A2.1	H	C_6H_5	$CH_2CH_2CH_3$
IA-59	A2.1	CH_3	$CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-60	A2.1	CH_3	$CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-61	A2.1	CH_3	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-62	A2.1	CH_3	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-63	A2.1	CH_3	CH_2CHCH_2	$CH_2CH_2CH_3$
IA-64	A2.1	CH_3	CH_2CCH	$CH_2CH_2CH_3$
IA-65	A2.1	CH_3	C_6H_5	$CH_2CH_2CH_3$
IA-66	A2.1	$CH(CH_3)_2$	$CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-67	A2.1	$CH(CH_3)_2$	$CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-68	A2.1	$CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-69	A2.1	$CH(CH_3)_2$	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-70	A2.1	$CH(CH_3)_2$	CH_2CHCH_2	$CH_2CH_2CH_3$
IA-71	A2.1	$CH(CH_3)_2$	CH_2CCH	$CH_2CH_2CH_3$
IA-72	A2.1	$CH(CH_3)_2$	C_6H_5	$CH_2CH_2CH_3$
IA-73	A2.1	H	$CH(CH_3)_2$	$CH(CH_3)_2$
IA-74	A2.1	H	$CH_2CH_2CH_2CH_3$	$CH(CH_3)_2$
IA-75	A2.1	H	$CH_2CH(CH_3)_2$	$CH(CH_3)_2$
IA-76	A2.1	H	CH_2CHCH_2	$CH(CH_3)_2$
IA-77	A2.1	H	CH_2CCH	$CH(CH_3)_2$
IA-78	A2.1	H	C_6H_5	$CH(CH_3)_2$
IA-79	A2.1	CH_3	$CH(CH_3)_2$	$CH(CH_3)_2$
IA-80	A2.1	CH_3	$CH_2CH_2CH_2CH_3$	$CH(CH_3)_2$
IA-81	A2.1	CH_3	$CH_2CH(CH_3)_2$	$CH(CH_3)_2$
IA-82	A2.1	CH_3	CH_2CHCH_2	$CH(CH_3)_2$
IA-83	A2.1	CH_3	CH_2CCH	$CH(CH_3)_2$
IA-84	A2.1	CH_3	C_6H_5	$CH(CH_3)_2$
IA-85	A2.1	$CH(CH_3)_2$	$CH(CH_3)_2$	$CH(CH_3)_2$
IA-86	A2.1	$CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$	$CH(CH_3)_2$
IA-87	A2.1	$CH(CH_3)_2$	$CH_2CH(CH_3)_2$	$CH(CH_3)_2$
IA-88	A2.1	$CH(CH_3)_2$	CH_2CHCH_2	$CH(CH_3)_2$

No.	A	R^a	R^b	R^c
IA-89	$A^2.1$	$CH(CH_3)_2$	CH_2CCH	$CH(CH_3)_2$
IA-90	$A^2.1$	$CH(CH_3)_2$	C_6H_5	$CH(CH_3)_2$
IA-91	$A^2.1$	H	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-92	$A^2.1$	H	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-93	$A^2.1$	H	CH_2CHCH_2	$CH_2CH_2CH_2CH_3$
IA-94	$A^2.1$	H	CH_2CCH	$CH_2CH_2CH_2CH_3$
IA-95	$A^2.1$	H	C_6H_5	$CH_2CH_2CH_2CH_3$
IA-96	$A^2.1$	CH_3	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-97	$A^2.1$	CH_3	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-98	$A^2.1$	CH_3	CH_2CHCH_2	$CH_2CH_2CH_2CH_3$
IA-99	$A^2.1$	CH_3	CH_2CCH	$CH_2CH_2CH_2CH_3$
IA-100	$A^2.1$	CH_3	C_6H_5	$CH_2CH_2CH_2CH_3$
IA-101	$A^2.1$	$CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-102	$A^2.1$	$CH(CH_3)_2$	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-103	$A^2.1$	$CH(CH_3)_2$	CH_2CHCH_2	$CH_2CH_2CH_2CH_3$
IA-104	$A^2.1$	$CH(CH_3)_2$	CH_2CCH	$CH_2CH_2CH_2CH_3$
IA-105	$A^2.1$	$CH(CH_3)_2$	C_6H_5	$CH_2CH_2CH_2CH_3$
IA-106	$A^2.1$	H	$CH_2CH(CH_3)_2$	$CH_2CH(CH_3)_2$
IA-107	$A^2.1$	H	CH_2CHCH_2	$CH_2CH(CH_3)_2$
IA-108	$A^2.1$	H	CH_2CCH	$CH_2CH(CH_3)_2$
IA-109	$A^2.1$	H	C_6H_5	$CH_2CH(CH_3)_2$
IA-110	$A^2.1$	CH_3	$CH_2CH(CH_3)_2$	$CH_2CH(CH_3)_2$
IA-111	$A^2.1$	CH_3	CH_2CHCH_2	$CH_2CH(CH_3)_2$
IA-112	$A^2.1$	CH_3	CH_2CCH	$CH_2CH(CH_3)_2$
IA-113	$A^2.1$	CH_3	C_6H_5	$CH_2CH(CH_3)_2$
IA-114	$A^2.1$	$CH(CH_3)_2$	$CH_2CH(CH_3)_2$	$CH_2CH(CH_3)_2$
IA-115	$A^2.1$	$CH(CH_3)_2$	CH_2CHCH_2	$CH_2CH(CH_3)_2$
IA-116	$A^2.1$	$CH(CH_3)_2$	CH_2CCH	$CH_2CH(CH_3)_2$
IA-117	$A^2.1$	$CH(CH_3)_2$	C_6H_5	$CH_2CH(CH_3)_2$
IA-118	$A^2.1$	H	CH_2CHCH_2	CH_2CHCH_2
IA-119	$A^2.1$	H	CH_2CCH	CH_2CHCH_2
IA-120	$A^2.1$	H	C_6H_5	CH_2CHCH_2

No.	A	R^a	R^b	R^c
IA-121	A².1	CH_3	CH_2CHCH_2	CH_2CHCH_2
IA-122	A².1	CH_3	CH_2CCH	CH_2CHCH_2
IA-123	A².1	CH_3	C_6H_5	CH_2CHCH_2
IA-124	A².1	$CH(CH_3)_2$	CH_2CHCH_2	CH_2CHCH_2
IA-125	A².1	$CH(CH_3)_2$	CH_2CCH	CH_2CHCH_2
IA-126	A².1	$CH(CH_3)_2$	C_6H_5	CH_2CHCH_2
IA-127	A².1	H	CH_2CCH	CH_2CCH
IA-128	A².1	H	C_6H_5	CH_2CCH
IA-129	A².1	CH_3	CH_2CCH	CH_2CCH
IA-130	A².1	CH_3	C_6H_5	CH_2CCH
IA-131	A².1	$CH(CH_3)_2$	CH_2CCH	CH_2CCH
IA-132	A².1	$CH(CH_3)_2$	C_6H_5	CH_2CCH
IA-133	A².1	H	C_6H_5	C_6H_5
IA-134	A².1	CH_3	C_6H_5	C_6H_5
IA-135	A².1	$CH(CH_3)_2$	C_6H_5	C_6H_5

Table 295

Compounds of the formula IA (as defined above) wherein Q^1 denotes hydrogen, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 296

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 297

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 298

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 299

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 300

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 301

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 302

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 303

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 304

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 305

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 306

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 307

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 308

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 309

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 310

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 311
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 312
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 313
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 314
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 315
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 316
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 317
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 318
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 319
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 320
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 321

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 322

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 323

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 324

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 325

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 326

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 327

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 328

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 329

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 330

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 331

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 332
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 333
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 334
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 335
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 336
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 337
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 338
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 339
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 340
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 341
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 342

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 343

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 344

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 345

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 346

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 347

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 348

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 349

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 350

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 351

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 352

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 353
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 354
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 355
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 356
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 357
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 358
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 359
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 360
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 361
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 362
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 363

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 364

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 365

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 366

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 367

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 368

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 369

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 370

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 371

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 372

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 373

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 374
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 375
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 376
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 377
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 378
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 379
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 380
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 381
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 382
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 383
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 384

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 385

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 386

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 387

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 388

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 389

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 390

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 391

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 392

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 393

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 394

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 395
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 396
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 397
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 398
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 399
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 400
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 401
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 402
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 403
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 404
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 405

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 406

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 407

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 408

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 409

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 410

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 411

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 412

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 413

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 414

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 415

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 416
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 417
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 418
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 419
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 420
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 421
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 422
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 423
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 424
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 425
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 426

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 427

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 428

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 429

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 430

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 431

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 432

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 433

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 434

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 435

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 436

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 437
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 438
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 439
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 440
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 441
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 442
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 443
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 444
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 445
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 446
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 447

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 448

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 449

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 450

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 451

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 452

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 453

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 454

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 455

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 456

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 457

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 458
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 459
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 460
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 461
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 462
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 463
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 464
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 465
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 466
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 467
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 468

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 469

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 470

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 471

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 472

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 473

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 474

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 475

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 476

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 477

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 478

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 479
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 480
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 481
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 482
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 483
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 484
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 485
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 486
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 487
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 488
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 489

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 490

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 491

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 492

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 493

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 494

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 495

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 496

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 497

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 498

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 499

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 500
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 501
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 502
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 503
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 504
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 505
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 506
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 507
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 508
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 509
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 510

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 511

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 512

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 513

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 514

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 515

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 516

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 517

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 518

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 519

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 520

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 521
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 522
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 523
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 524
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 525
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 526
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 527
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 528
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 529
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 530
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 531

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 532

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 533

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 534

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 535

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 536

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 537

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 538

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 539

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 540

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 541

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 542
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 543
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 544
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 545
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 546
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 547
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CF_3, and A in each case corresponds to a row of Table B.

Table 548
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes bromine, and A in each case corresponds to a row of Table B.

Table 549
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes chlorine, and A in each case corresponds to a row of Table B.

Table 550
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_3, and A in each case corresponds to a row of Table B.

Table 551
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table B.

Table 552

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table B.

Table 553

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table B.

Table 554

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table B.

Table 555

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table B.

Table 556

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table B.

Table 557

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table B.

Table 558

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 559

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table B.

Table 560

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 561

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table B.

Table 562

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 563
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 564
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 565
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table B.

Table 566
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 567
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 568
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table B.

Table 569
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 570
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table B.

Table 571
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table B.

Table 572
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table B.

Table 573

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table B.

Table 574

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table B.

Table 575

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table B.

Table 576

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table B.

Table 577

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table B.

Table 578

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table B.

Table 579

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table B.

Table 580

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table B.

Table 581

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 582

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

Table 583

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table B.

Table 584

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table 585

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table B.

Table 586

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table B.

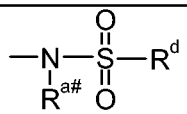
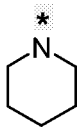
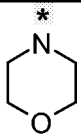
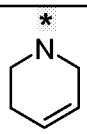
Table 587

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table B.

Table 588

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table B.

Table B

No.	A	$R^{a\#}$	R^d
IA-136	 A².2	H	
IA-137	A².2	CH_3	
IA-138	A².2	$CH(CH_3)_2$	

* denotes the binding site.

Table 589

Compounds of the formula IA (as defined above) wherein Q^1 denotes hydrogen, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 590
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 591
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 592
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 593
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 594
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 595
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 596
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 597
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 598
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 599
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 600

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 601

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 602

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 603

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 604

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 605

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 606

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 607

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 608

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 609

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 610

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 611
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 612
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 613
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 614
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 615
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 616
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 617
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 618
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 619
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 620
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 621

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 622

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 623

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 624

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 625

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 626

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 627

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 628

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 629

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 630

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 631

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 632
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 633
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 634
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 635
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 636
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 637
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 638
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 639
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 640
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 641
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 642

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 643

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 644

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 645

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 646

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 647

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 648

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 649

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 650

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 651

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 652

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 653
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 654
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 655
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 656
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 657
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 658
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 659
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 660
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 661
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 662
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 663

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 664

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 665

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 666

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 667

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 668

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 669

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 670

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 671

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 672

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 673

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 674
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 675
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 676
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 677
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 678
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 679
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 680
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 681
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 682
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 683
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 684

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 685

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 686

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 687

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 688

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 689

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 690

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 691

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 692

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 693

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 694

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 695
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 696
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 697
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 698
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 699
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 700
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 701
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 702
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 703
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 704
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 705

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 706

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 707

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 708

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 709

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 710

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 711

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 712

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 713

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 714

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 715

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 716
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 717
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 718
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 719
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 720
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 721
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 722
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 723
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 724
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 725
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 726

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 727

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 728

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 729

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 730

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 731

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 732

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 733

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 734

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 735

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 736

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 737
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 738
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 739
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 740
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 741
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 742
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 743
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 744
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 745
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 746
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 747

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 748

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 749

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 750

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 751

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 752

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 753

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 754

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 755

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 756

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 757

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 758
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 759
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 760
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 761
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 762
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 763
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 764
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 765
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 766
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 767
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 768

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 769

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 770

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 771

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 772

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 773

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 774

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 775

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 776

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 777

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 778

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 779
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 780
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 781
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 782
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 783
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 784
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 785
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 786
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 787
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 788
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 789

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 790

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 791

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 792

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 793

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 794

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 795

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 796

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 797

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 798

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 799

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 800
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 801
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 802
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 803
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 804
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 805
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 806
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 807
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 808
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 809
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 810

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 811

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 812

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 813

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 814

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 815

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 816

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 817

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 818

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 819

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 820

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 821
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 822
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 823
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 824
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 825
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 826
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 827
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 828
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 829
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 830
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 831

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 832

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 833

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 834

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 835

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 836

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 837

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 838

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 839

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 840

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 841

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CF_3, and A in each case corresponds to a row of Table C.

Table 842
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes bromine, and A in each case corresponds to a row of Table C.

Table 843
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes chlorine, and A in each case corresponds to a row of Table C.

Table 844
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_3, and A in each case corresponds to a row of Table C.

Table 845
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_3, and A in each case corresponds to a row of Table C.

Table 846
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a row of Table C.

Table 847
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes ethoxy, and A in each case corresponds to a row of Table C.

Table 848
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a row of Table C.

Table 849
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a row of Table C.

Table 850
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CCH, and A in each case corresponds to a row of Table C.

Table 851
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a row of Table C.

Table 852

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 853

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a row of Table C.

Table 854

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 855

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a row of Table C.

Table 856

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 857

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 858

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 859

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a row of Table C.

Table 860

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 861

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 862

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a row of Table C.

Table 863
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 864
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a row of Table C.

Table 865
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a row of Table C.

Table 866
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a row of Table C.

Table 867
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a row of Table C.

Table 868
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a row of Table C.

Table 869
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a row of Table C.

Table 870
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CN, and A in each case corresponds to a row of Table C.

Table 871
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a row of Table C.

Table 872
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a row of Table C.

Table 873

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a row of Table C.

Table 874

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a row of Table C.

Table 875

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 876

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

Table 877

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a row of Table C.

Table 878

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table 879

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a row of Table C.

Table 880

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a row of Table C.

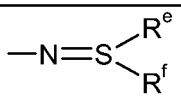
Table 881

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a row of Table C.

Table 882

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a row of Table C.

Table C

No.	A	R^e	R^f
IA-139	 A1.1	CH_3	CH_3
IA-140	A1.1	CH_2CH_3	CH_3
IA-141	A1.1	$CH=CH_2$	CH_3
IA-142	A1.1	$CH_2CH_2CH_3$	CH_3
IA-143	A1.1	$CH(CH_3)_2$	CH_3
IA-144	A1.1	$CH_2CH_2CH_2CH_3$	CH_3
IA-145	A1.1	$C(CH_3)_3$	CH_3
IA-146	A1.1	$CH_2CH(CH_3)_2$	CH_3
IA-147	A1.1	$CH(CH_3)CH_2CH_3$	CH_3
IA-148	A1.1	CH_2CHCH_2	CH_3
IA-149	A1.1	CH_2CCH	CH_3
IA-150	A1.1	$CH(CH_3)CH=CH_2$	CH_3
IA-151	A1.1	CHF_2	CH_3
IA-152	A1.1	CH_2Cl	CH_3
IA-153	A1.1	CH_2CH_2CN	CH_3
IA-154	A1.1	CH_2CH_2Cl	CH_3
IA-155	A1.1	CH_2CH_2OH	CH_3
IA-156	A1.1	$CH_2CH_2CH_2OH$	CH_3
IA-157	A1.1	$CH_2CH(OH)CH_2OH$	CH_3
IA-158	A1.1	$CH_2CH(OCH_3)_2$	CH_3
IA-159	A1.1	CH_2SCH_3	CH_3
IA-160	A1.1	$(CH_2)_3SCH_3$	CH_3
IA-161	A1.1	$CH_2S(=O)CH_3$	CH_3
IA-162	A1.1	$CH_2S(=O)_2CH_3$	CH_3
IA-163	A1.1	$CH_2C(=O)CH_3$	CH_3
IA-164	A1.1	$CH_2C(=O)CH_2CH_3$	CH_3
IA-165	A1.1	CH_2COOH	CH_3
IA-166	A1.1	CH_2COOCH_3	CH_3
IA-167	A1.1	$CH_2COOCH_2CH_3$	CH_3

No.	A	R^e	R^f
IA-168	$A^1.1$	cyclo-C_3H_5	CH_3
IA-169	$A^1.1$	cyclo-C_4H_7	CH_3
IA-170	$A^1.1$	cyclo-C_5H_9	CH_3
IA-171	$A^1.1$	cyclo-C_6H_{11}	CH_3
IA-172	$A^1.1$	C_6H_5	CH_3
IA-173	$A^1.1$	CH_2CH_3	CH_2CH_3
IA-174	$A^1.1$	$CH=CH_2$	CH_2CH_3
IA-175	$A^1.1$	$CH_2CH_2CH_3$	CH_2CH_3
IA-176	$A^1.1$	$CH(CH_3)_2$	CH_2CH_3
IA-177	$A^1.1$	$CH_2CH_2CH_2CH_3$	CH_2CH_3
IA-178	$A^1.1$	$C(CH_3)_3$	CH_2CH_3
IA-179	$A^1.1$	$CH_2CH(CH_3)_2$	CH_2CH_3
IA-180	$A^1.1$	$CH(CH_3)CH_2CH_3$	CH_2CH_3
IA-181	$A^1.1$	CH_2CHCH_2	CH_2CH_3
IA-182	$A^1.1$	CH_2CCH	CH_2CH_3
IA-183	$A^1.1$	$CH(CH_3)CH=CH_2$	CH_2CH_3
IA-184	$A^1.1$	CHF_2	CH_2CH_3
IA-185	$A^1.1$	CH_2Cl	CH_2CH_3
IA-186	$A^1.1$	CH_2CH_2CN	CH_2CH_3
IA-187	$A^1.1$	CH_2CH_2Cl	CH_2CH_3
IA-188	$A^1.1$	CH_2CH_2OH	CH_2CH_3
IA-189	$A^1.1$	$CH_2CH_2CH_2OH$	CH_2CH_3
IA-190	$A^1.1$	$CH_2CH(OH)CH_2OH$	CH_2CH_3
IA-191	$A^1.1$	$CH_2CH(OCH_3)_2$	CH_2CH_3
IA-192	$A^1.1$	CH_2SCH_3	CH_2CH_3
IA-193	$A^1.1$	$(CH_2)_3SCH_3$	CH_2CH_3
IA-194	$A^1.1$	$CH_2S(=O)CH_3$	CH_2CH_3
IA-195	$A^1.1$	$CH_2S(=O)_2CH_3$	CH_2CH_3
IA-196	$A^1.1$	$CH_2C(=O)CH_3$	CH_2CH_3
IA-197	$A^1.1$	$CH_2C(=O)CH_2CH_3$	CH_2CH_3
IA-198	$A^1.1$	CH_2COOH	CH_2CH_3
IA-199	$A^1.1$	CH_2COOCH_3	CH_2CH_3

No.	A	R^e	R^f
IA-200	$A^1.1$	$CH_2COOCH_2CH_3$	CH_2CH_3
IA-201	$A^1.1$	cyclo-C_3H_5	CH_2CH_3
IA-202	$A^1.1$	cyclo-C_4H_7	CH_2CH_3
IA-203	$A^1.1$	cyclo-C_5H_9	CH_2CH_3
IA-204	$A^1.1$	cyclo-C_6H_{11}	CH_2CH_3
IA-205	$A^1.1$	C_6H_5	CH_2CH_3
IA-206	$A^1.1$	$CH=CH_2$	$CH=CH_2$
IA-207	$A^1.1$	$CH_2CH_2CH_3$	$CH=CH_2$
IA-208	$A^1.1$	$CH(CH_3)_2$	$CH=CH_2$
IA-209	$A^1.1$	$CH_2CH_2CH_2CH_3$	$CH=CH_2$
IA-210	$A^1.1$	$C(CH_3)_3$	$CH=CH_2$
IA-211	$A^1.1$	$CH_2CH(CH_3)_2$	$CH=CH_2$
IA-212	$A^1.1$	$CH(CH_3)CH_2CH_3$	$CH=CH_2$
IA-213	$A^1.1$	CH_2CHCH_2	$CH=CH_2$
IA-214	$A^1.1$	CH_2CCH	$CH=CH_2$
IA-215	$A^1.1$	$CH(CH_3)CH=CH_2$	$CH=CH_2$
IA-216	$A^1.1$	CHF_2	$CH=CH_2$
IA-217	$A^1.1$	CH_2Cl	$CH=CH_2$
IA-218	$A^1.1$	CH_2CH_2CN	$CH=CH_2$
IA-219	$A^1.1$	CH_2CH_2Cl	$CH=CH_2$
IA-220	$A^1.1$	CH_2CH_2OH	$CH=CH_2$
IA-221	$A^1.1$	$CH_2CH_2CH_2OH$	$CH=CH_2$
IA-222	$A^1.1$	$CH_2CH(OH)CH_2OH$	$CH=CH_2$
IA-223	$A^1.1$	$CH_2CH(OCH_3)_2$	$CH=CH_2$
IA-224	$A^1.1$	CH_2SCH_3	$CH=CH_2$
IA-225	$A^1.1$	$(CH_2)_3SCH_3$	$CH=CH_2$
IA-226	$A^1.1$	$CH_2S(=O)CH_3$	$CH=CH_2$
IA-227	$A^1.1$	$CH_2S(=O)_2CH_3$	$CH=CH_2$
IA-228	$A^1.1$	$CH_2C(=O)CH_3$	$CH=CH_2$
IA-229	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH=CH_2$
IA-230	$A^1.1$	CH_2COOH	$CH=CH_2$
IA-231	$A^1.1$	CH_2COOCH_3	$CH=CH_2$

No.	A	R^e	R^f
IA-232	$A^1.1$	$CH_2COOCH_2CH_3$	$CH=CH_2$
IA-233	$A^1.1$	cyclo-C_3H_5	$CH=CH_2$
IA-234	$A^1.1$	cyclo-C_4H_7	$CH=CH_2$
IA-235	$A^1.1$	cyclo-C_5H_9	$CH=CH_2$
IA-236	$A^1.1$	cyclo-C_6H_{11}	$CH=CH_2$
IA-237	$A^1.1$	C_6H_5	$CH=CH_2$
IA-238	$A^1.1$	$CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-239	$A^1.1$	$CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-240	$A^1.1$	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-241	$A^1.1$	$C(CH_3)_3$	$CH_2CH_2CH_3$
IA-242	$A^1.1$	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-243	$A^1.1$	$CH(CH_3)CH_2CH_3$	$CH_2CH_2CH_3$
IA-244	$A^1.1$	CH_2CHCH_2	$CH_2CH_2CH_3$
IA-245	$A^1.1$	CH_2CCH	$CH_2CH_2CH_3$
IA-246	$A^1.1$	$CH(CH_3)CH=CH_2$	$CH_2CH_2CH_3$
IA-247	$A^1.1$	CHF_2	$CH_2CH_2CH_3$
IA-248	$A^1.1$	CH_2Cl	$CH_2CH_2CH_3$
IA-249	$A^1.1$	CH_2CH_2CN	$CH_2CH_2CH_3$
IA-250	$A^1.1$	CH_2CH_2Cl	$CH_2CH_2CH_3$
IA-251	$A^1.1$	CH_2CH_2OH	$CH_2CH_2CH_3$
IA-252	$A^1.1$	$CH_2CH_2CH_2OH$	$CH_2CH_2CH_3$
IA-253	$A^1.1$	$CH_2CH(OH)CH_2OH$	$CH_2CH_2CH_3$
IA-254	$A^1.1$	$CH_2CH(OCH_3)_2$	$CH_2CH_2CH_3$
IA-255	$A^1.1$	CH_2SCH_3	$CH_2CH_2CH_3$
IA-256	$A^1.1$	$(CH_2)_3SCH_3$	$CH_2CH_2CH_3$
IA-257	$A^1.1$	$CH_2S(=O)CH_3$	$CH_2CH_2CH_3$
IA-258	$A^1.1$	$CH_2S(=O)_2CH_3$	$CH_2CH_2CH_3$
IA-259	$A^1.1$	$CH_2C(=O)CH_3$	$CH_2CH_2CH_3$
IA-260	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH_2CH_2CH_3$
IA-261	$A^1.1$	CH_2COOH	$CH_2CH_2CH_3$
IA-262	$A^1.1$	CH_2COOCH_3	$CH_2CH_2CH_3$
IA-263	$A^1.1$	$CH_2COOCH_2CH_3$	$CH_2CH_2CH_3$

No.	A	R^e	R^f
IA-264	A1.1	cyclo-C_3H_5	$CH_2CH_2CH_3$
IA-265	A1.1	cyclo-C_4H_7	$CH_2CH_2CH_3$
IA-266	A1.1	cyclo-C_5H_9	$CH_2CH_2CH_3$
IA-267	A1.1	cyclo-C_6H_{11}	$CH_2CH_2CH_3$
IA-268	A1.1	C_6H_5	$CH_2CH_2CH_3$
IA-269	A1.1	$CH(CH_3)_2$	$CH(CH_3)_2$
IA-270	A1.1	$CH_2CH_2CH_2CH_3$	$CH(CH_3)_2$
IA-271	A1.1	$C(CH_3)_3$	$CH(CH_3)_2$
IA-272	A1.1	$CH_2CH(CH_3)_2$	$CH(CH_3)_2$
IA-273	A1.1	$CH(CH_3)CH_2CH_3$	$CH(CH_3)_2$
IA-274	A1.1	CH_2CHCH_2	$CH(CH_3)_2$
IA-275	A1.1	CH_2CCH	$CH(CH_3)_2$
IA-276	A1.1	$CH(CH_3)CH=CH_2$	$CH(CH_3)_2$
IA-277	A1.1	CHF_2	$CH(CH_3)_2$
IA-278	A1.1	CH_2Cl	$CH(CH_3)_2$
IA-279	A1.1	CH_2CH_2CN	$CH(CH_3)_2$
IA-280	A1.1	CH_2CH_2Cl	$CH(CH_3)_2$
IA-281	A1.1	CH_2CH_2OH	$CH(CH_3)_2$
IA-282	A1.1	$CH_2CH_2CH_2OH$	$CH(CH_3)_2$
IA-283	A1.1	$CH_2CH(OH)CH_2OH$	$CH(CH_3)_2$
IA-284	A1.1	$CH_2CH(OCH_3)_2$	$CH(CH_3)_2$
IA-285	A1.1	CH_2SCH_3	$CH(CH_3)_2$
IA-286	A1.1	$(CH_2)_3SCH_3$	$CH(CH_3)_2$
IA-287	A1.1	$CH_2S(=O)CH_3$	$CH(CH_3)_2$
IA-288	A1.1	$CH_2S(=O)_2CH_3$	$CH(CH_3)_2$
IA-289	A1.1	$CH_2C(=O)CH_3$	$CH(CH_3)_2$
IA-290	A1.1	$CH_2C(=O)CH_2CH_3$	$CH(CH_3)_2$
IA-291	A1.1	CH_2COOH	$CH(CH_3)_2$
IA-292	A1.1	CH_2COOCH_3	$CH(CH_3)_2$
IA-293	A1.1	$CH_2COOCH_2CH_3$	$CH(CH_3)_2$
IA-294	A1.1	cyclo-C_3H_5	$CH(CH_3)_2$
IA-295	A1.1	cyclo-C_4H_7	$CH(CH_3)_2$

No.	A	R^e	R^f
IA-296	A1.1	cyclo-C_5H_9	$CH(CH_3)_2$
IA-297	A1.1	cyclo-C_6H_{11}	$CH(CH_3)_2$
IA-298	A1.1	C_6H_5	$CH(CH_3)_2$
IA-299	A1.1	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-300	A1.1	$C(CH_3)_3$	$CH_2CH_2CH_2CH_3$
IA-301	A1.1	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-302	A1.1	$CH(CH_3)CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-303	A1.1	CH_2CHCH_2	$CH_2CH_2CH_2CH_3$
IA-304	A1.1	CH_2CCH	$CH_2CH_2CH_2CH_3$
IA-305	A1.1	$CH(CH_3)CH=CH_2$	$CH_2CH_2CH_2CH_3$
IA-306	A1.1	CHF_2	$CH_2CH_2CH_2CH_3$
IA-307	A1.1	CH_2Cl	$CH_2CH_2CH_2CH_3$
IA-308	A1.1	CH_2CH_2CN	$CH_2CH_2CH_2CH_3$
IA-309	A1.1	CH_2CH_2Cl	$CH_2CH_2CH_2CH_3$
IA-310	A1.1	CH_2CH_2OH	$CH_2CH_2CH_2CH_3$
IA-311	A1.1	$CH_2CH_2CH_2OH$	$CH_2CH_2CH_2CH_3$
IA-312	A1.1	$CH_2CH(OH)CH_2OH$	$CH_2CH_2CH_2CH_3$
IA-313	A1.1	$CH_2CH(OCH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-314	A1.1	CH_2SCH_3	$CH_2CH_2CH_2CH_3$
IA-315	A1.1	$(CH_2)_3SCH_3$	$CH_2CH_2CH_2CH_3$
IA-316	A1.1	$CH_2S(=O)CH_3$	$CH_2CH_2CH_2CH_3$
IA-317	A1.1	$CH_2S(=O)_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-318	A1.1	$CH_2C(=O)CH_3$	$CH_2CH_2CH_2CH_3$
IA-319	A1.1	$CH_2C(=O)CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-320	A1.1	CH_2COOH	$CH_2CH_2CH_2CH_3$
IA-321	A1.1	CH_2COOCH_3	$CH_2CH_2CH_2CH_3$
IA-322	A1.1	$CH_2COOCH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-323	A1.1	cyclo-C_3H_5	$CH_2CH_2CH_2CH_3$
IA-324	A1.1	cyclo-C_4H_7	$CH_2CH_2CH_2CH_3$
IA-325	A1.1	cyclo-C_5H_9	$CH_2CH_2CH_2CH_3$
IA-326	A1.1	cyclo-C_6H_{11}	$CH_2CH_2CH_2CH_3$
IA-327	A1.1	C_6H_5	$CH_2CH_2CH_2CH_3$

No.	A	R^e	R^f
IA-328	A1.1	$C(CH_3)_3$	$C(CH_3)_3$
IA-329	A1.1	$CH_2CH(CH_3)_2$	$C(CH_3)_3$
IA-330	A1.1	$CH(CH_3)CH_2CH_3$	$C(CH_3)_3$
IA-331	A1.1	CH_2CHCH_2	$C(CH_3)_3$
IA-332	A1.1	CH_2CCH	$C(CH_3)_3$
IA-333	A1.1	$CH(CH_3)CH=CH_2$	$C(CH_3)_3$
IA-334	A1.1	CHF_2	$C(CH_3)_3$
IA-335	A1.1	CH_2Cl	$C(CH_3)_3$
IA-336	A1.1	CH_2CH_2CN	$C(CH_3)_3$
IA-337	A1.1	CH_2CH_2Cl	$C(CH_3)_3$
IA-338	A1.1	CH_2CH_2OH	$C(CH_3)_3$
IA-339	A1.1	$CH_2CH_2CH_2OH$	$C(CH_3)_3$
IA-340	A1.1	$CH_2CH(OH)CH_2OH$	$C(CH_3)_3$
IA-341	A1.1	$CH_2CH(OCH_3)_2$	$C(CH_3)_3$
IA-342	A1.1	CH_2SCH_3	$C(CH_3)_3$
IA-343	A1.1	$(CH_2)_3SCH_3$	$C(CH_3)_3$
IA-344	A1.1	$CH_2S(=O)CH_3$	$C(CH_3)_3$
IA-345	A1.1	$CH_2S(=O)_2CH_3$	$C(CH_3)_3$
IA-346	A1.1	$CH_2C(=O)CH_3$	$C(CH_3)_3$
IA-347	A1.1	$CH_2C(=O)CH_2CH_3$	$C(CH_3)_3$
IA-348	A1.1	CH_2COOH	$C(CH_3)_3$
IA-349	A1.1	CH_2COOCH_3	$C(CH_3)_3$
IA-350	A1.1	$CH_2COOCH_2CH_3$	$C(CH_3)_3$
IA-351	A1.1	cyclo-C_3H_5	$C(CH_3)_3$
IA-352	A1.1	cyclo-C_4H_7	$C(CH_3)_3$
IA-353	A1.1	cyclo-C_5H_9	$C(CH_3)_3$
IA-354	A1.1	cyclo-C_6H_{11}	$C(CH_3)_3$
IA-355	A1.1	C_6H_5	$C(CH_3)_3$
IA-356	A1.1	$CH_2CH(CH_3)_2$	$CH_2CH(CH_3)_2$
IA-357	A1.1	$CH(CH_3)CH_2CH_3$	$CH_2CH(CH_3)_2$
IA-358	A1.1	CH_2CHCH_2	$CH_2CH(CH_3)_2$
IA-359	A1.1	CH_2CCH	$CH_2CH(CH_3)_2$

No.	A	R^e	R^f
IA-360	A1.1	$CH(CH_3)CH=CH_2$	$CH_2CH(CH_3)_2$
IA-361	A1.1	CHF_2	$CH_2CH(CH_3)_2$
IA-362	A1.1	CH_2Cl	$CH_2CH(CH_3)_2$
IA-363	A1.1	CH_2CH_2CN	$CH_2CH(CH_3)_2$
IA-364	A1.1	CH_2CH_2Cl	$CH_2CH(CH_3)_2$
IA-365	A1.1	CH_2CH_2OH	$CH_2CH(CH_3)_2$
IA-366	A1.1	$CH_2CH_2CH_2OH$	$CH_2CH(CH_3)_2$
IA-367	A1.1	$CH_2CH(OH)CH_2OH$	$CH_2CH(CH_3)_2$
IA-368	A1.1	$CH_2CH(OCH_3)_2$	$CH_2CH(CH_3)_2$
IA-369	A1.1	CH_2SCH_3	$CH_2CH(CH_3)_2$
IA-370	A1.1	$(CH_2)_3SCH_3$	$CH_2CH(CH_3)_2$
IA-371	A1.1	$CH_2S(=O)CH_3$	$CH_2CH(CH_3)_2$
IA-372	A1.1	$CH_2S(=O)_2CH_3$	$CH_2CH(CH_3)_2$
IA-373	A1.1	$CH_2C(=O)CH_3$	$CH_2CH(CH_3)_2$
IA-374	A1.1	$CH_2C(=O)CH_2CH_3$	$CH_2CH(CH_3)_2$
IA-375	A1.1	CH_2COOH	$CH_2CH(CH_3)_2$
IA-376	A1.1	CH_2COOCH_3	$CH_2CH(CH_3)_2$
IA-377	A1.1	$CH_2COOCH_2CH_3$	$CH_2CH(CH_3)_2$
IA-378	A1.1	cyclo-C_3H_5	$CH_2CH(CH_3)_2$
IA-379	A1.1	cyclo-C_4H_7	$CH_2CH(CH_3)_2$
IA-380	A1.1	cyclo-C_5H_9	$CH_2CH(CH_3)_2$
IA-381	A1.1	cyclo-C_6H_{11}	$CH_2CH(CH_3)_2$
IA-382	A1.1	C_6H_5	$CH_2CH(CH_3)_2$
IA-383	A1.1	$CH(CH_3)CH_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-384	A1.1	CH_2CHCH_2	$CH(CH_3)CH_2CH_3$
IA-385	A1.1	CH_2CCH	$CH(CH_3)CH_2CH_3$
IA-386	A1.1	$CH(CH_3)CH=CH_2$	$CH(CH_3)CH_2CH_3$
IA-387	A1.1	CHF_2	$CH(CH_3)CH_2CH_3$
IA-388	A1.1	CH_2Cl	$CH(CH_3)CH_2CH_3$
IA-389	A1.1	CH_2CH_2CN	$CH(CH_3)CH_2CH_3$
IA-390	A1.1	CH_2CH_2Cl	$CH(CH_3)CH_2CH_3$
IA-391	A1.1	CH_2CH_2OH	$CH(CH_3)CH_2CH_3$

No.	A	R^e	R^f
IA-392	A1.1	$CH_2CH_2CH_2OH$	$CH(CH_3)CH_2CH_3$
IA-393	A1.1	$CH_2CH(OH)CH_2OH$	$CH(CH_3)CH_2CH_3$
IA-394	A1.1	$CH_2CH(OCH_3)_2$	$CH(CH_3)CH_2CH_3$
IA-395	A1.1	CH_2SCH_3	$CH(CH_3)CH_2CH_3$
IA-396	A1.1	$(CH_2)_3SCH_3$	$CH(CH_3)CH_2CH_3$
IA-397	A1.1	$CH_2S(=O)CH_3$	$CH(CH_3)CH_2CH_3$
IA-398	A1.1	$CH_2S(=O)_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-399	A1.1	$CH_2C(=O)CH_3$	$CH(CH_3)CH_2CH_3$
IA-400	A1.1	$CH_2C(=O)CH_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-401	A1.1	CH_2COOH	$CH(CH_3)CH_2CH_3$
IA-402	A1.1	CH_2COOCH_3	$CH(CH_3)CH_2CH_3$
IA-403	A1.1	$CH_2COOCH_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-404	A1.1	cyclo-C_3H_5	$CH(CH_3)CH_2CH_3$
IA-405	A1.1	cyclo-C_4H_7	$CH(CH_3)CH_2CH_3$
IA-406	A1.1	cyclo-C_5H_9	$CH(CH_3)CH_2CH_3$
IA-407	A1.1	cyclo-C_6H_{11}	$CH(CH_3)CH_2CH_3$
IA-408	A1.1	C_6H_5	$CH(CH_3)CH_2CH_3$
IA-409	A1.1	CH_2CHCH_2	CH_2CHCH_2
IA-410	A1.1	CH_2CCH	CH_2CHCH_2
IA-411	A1.1	$CH(CH_3)CH=CH_2$	CH_2CHCH_2
IA-412	A1.1	CHF_2	CH_2CHCH_2
IA-413	A1.1	CH_2Cl	CH_2CHCH_2
IA-414	A1.1	CH_2CH_2CN	CH_2CHCH_2
IA-415	A1.1	CH_2CH_2Cl	CH_2CHCH_2
IA-416	A1.1	CH_2CH_2OH	CH_2CHCH_2
IA-417	A1.1	$CH_2CH_2CH_2OH$	CH_2CHCH_2
IA-418	A1.1	$CH_2CH(OH)CH_2OH$	CH_2CHCH_2
IA-419	A1.1	$CH_2CH(OCH_3)_2$	CH_2CHCH_2
IA-420	A1.1	CH_2SCH_3	CH_2CHCH_2
IA-421	A1.1	$(CH_2)_3SCH_3$	CH_2CHCH_2
IA-422	A1.1	$CH_2S(=O)CH_3$	CH_2CHCH_2
IA-423	A1.1	$CH_2S(=O)_2CH_3$	CH_2CHCH_2

No.	A	R^e	R^f
IA-424	A1.1	$CH_2C(=O)CH_3$	CH_2CHCH_2
IA-425	A1.1	$CH_2C(=O)CH_2CH_3$	CH_2CHCH_2
IA-426	A1.1	CH_2COOH	CH_2CHCH_2
IA-427	A1.1	CH_2COOCH_3	CH_2CHCH_2
IA-428	A1.1	$CH_2COOCH_2CH_3$	CH_2CHCH_2
IA-429	A1.1	cyclo-C_3H_5	CH_2CHCH_2
IA-430	A1.1	cyclo-C_4H_7	CH_2CHCH_2
IA-431	A1.1	cyclo-C_5H_9	CH_2CHCH_2
IA-432	A1.1	cyclo-C_6H_{11}	CH_2CHCH_2
IA-433	A1.1	C_6H_5	CH_2CHCH_2
IA-434	A1.1	CH_2CCH	CH_2CCH
IA-435	A1.1	$CH(CH_3)CH=CH_2$	CH_2CCH
IA-436	A1.1	CHF_2	CH_2CCH
IA-437	A1.1	CH_2Cl	CH_2CCH
IA-438	A1.1	CH_2CH_2CN	CH_2CCH
IA-439	A1.1	CH_2CH_2Cl	CH_2CCH
IA-440	A1.1	CH_2CH_2OH	CH_2CCH
IA-441	A1.1	$CH_2CH_2CH_2OH$	CH_2CCH
IA-442	A1.1	$CH_2CH(OH)CH_2OH$	CH_2CCH
IA-443	A1.1	$CH_2CH(OCH_3)_2$	CH_2CCH
IA-444	A1.1	CH_2SCH_3	CH_2CCH
IA-445	A1.1	$(CH_2)_3SCH_3$	CH_2CCH
IA-446	A1.1	$CH_2S(=O)CH_3$	CH_2CCH
IA-447	A1.1	$CH_2S(=O)_2CH_3$	CH_2CCH
IA-448	A1.1	$CH_2C(=O)CH_3$	CH_2CCH
IA-449	A1.1	$CH_2C(=O)CH_2CH_3$	CH_2CCH
IA-450	A1.1	CH_2COOH	CH_2CCH
IA-451	A1.1	CH_2COOCH_3	CH_2CCH
IA-452	A1.1	$CH_2COOCH_2CH_3$	CH_2CCH
IA-453	A1.1	cyclo-C_3H_5	CH_2CCH
IA-454	A1.1	cyclo-C_4H_7	CH_2CCH
IA-455	A1.1	cyclo-C_5H_9	CH_2CCH

No.	A	R^e	R^f
IA-456	A1.1	cyclo-C_6H_{11}	CH_2CCH
IA-457	A1.1	C_6H_5	CH_2CCH
IA-458	A1.1	$CH(CH_3)CH=CH_2$	$CH(CH_3)CH=CH_2$
IA-459	A1.1	CHF_2	$CH(CH_3)CH=CH_2$
IA-460	A1.1	CH_2Cl	$CH(CH_3)CH=CH_2$
IA-461	A1.1	CH_2CH_2CN	$CH(CH_3)CH=CH_2$
IA-462	A1.1	CH_2CH_2Cl	$CH(CH_3)CH=CH_2$
IA-463	A1.1	CH_2CH_2OH	$CH(CH_3)CH=CH_2$
IA-464	A1.1	$CH_2CH_2CH_2OH$	$CH(CH_3)CH=CH_2$
IA-465	A1.1	$CH_2CH(OH)CH_2OH$	$CH(CH_3)CH=CH_2$
IA-466	A1.1	$CH_2CH(OCH_3)_2$	$CH(CH_3)CH=CH_2$
IA-467	A1.1	CH_2SCH_3	$CH(CH_3)CH=CH_2$
IA-468	A1.1	$(CH_2)_3SCH_3$	$CH(CH_3)CH=CH_2$
IA-469	A1.1	$CH_2S(=O)CH_3$	$CH(CH_3)CH=CH_2$
IA-470	A1.1	$CH_2S(=O)_2CH_3$	$CH(CH_3)CH=CH_2$
IA-471	A1.1	$CH_2C(=O)CH_3$	$CH(CH_3)CH=CH_2$
IA-472	A1.1	$CH_2C(=O)CH_2CH_3$	$CH(CH_3)CH=CH_2$
IA-473	A1.1	CH_2COOH	$CH(CH_3)CH=CH_2$
IA-474	A1.1	CH_2COOCH_3	$CH(CH_3)CH=CH_2$
IA-475	A1.1	$CH_2COOCH_2CH_3$	$CH(CH_3)CH=CH_2$
IA-476	A1.1	cyclo-C_3H_5	$CH(CH_3)CH=CH_2$
IA-477	A1.1	cyclo-C_4H_7	$CH(CH_3)CH=CH_2$
IA-478	A1.1	cyclo-C_5H_9	$CH(CH_3)CH=CH_2$
IA-479	A1.1	cyclo-C_6H_{11}	$CH(CH_3)CH=CH_2$
IA-480	A1.1	C_6H_5	$CH(CH_3)CH=CH_2$
IA-481	A1.1	CHF_2	CHF_2
IA-482	A1.1	CH_2Cl	CHF_2
IA-483	A1.1	CH_2CH_2CN	CHF_2
IA-484	A1.1	CH_2CH_2Cl	CHF_2
IA-485	A1.1	CH_2CH_2OH	CHF_2
IA-486	A1.1	$CH_2CH_2CH_2OH$	CHF_2
IA-487	A1.1	$CH_2CH(OH)CH_2OH$	CHF_2

No.	A	R^e	R^f
IA-488	A1.1	$CH_2CH(OCH_3)_2$	CHF_2
IA-489	A1.1	CH_2SCH_3	CHF_2
IA-490	A1.1	$(CH_2)_3SCH_3$	CHF_2
IA-491	A1.1	$CH_2S(=O)CH_3$	CHF_2
IA-492	A1.1	$CH_2S(=O)_2CH_3$	CHF_2
IA-493	A1.1	$CH_2C(=O)CH_3$	CHF_2
IA-494	A1.1	$CH_2C(=O)CH_2CH_3$	CHF_2
IA-495	A1.1	CH_2COOH	CHF_2
IA-496	A1.1	CH_2COOCH_3	CHF_2
IA-497	A1.1	$CH_2COOCH_2CH_3$	CHF_2
IA-498	A1.1	cyclo-C_3H_5	CHF_2
IA-499	A1.1	cyclo-C_4H_7	CHF_2
IA-500	A1.1	cyclo-C_5H_9	CHF_2
IA-501	A1.1	cyclo-C_6H_{11}	CHF_2
IA-502	A1.1	C_6H_5	CHF_2
IA-503	A1.1	CH_2Cl	CH_2Cl
IA-504	A1.1	CH_2CH_2CN	CH_2Cl
IA-505	A1.1	CH_2CH_2Cl	CH_2Cl
IA-506	A1.1	CH_2CH_2OH	CH_2Cl
IA-507	A1.1	$CH_2CH_2CH_2OH$	CH_2Cl
IA-508	A1.1	$CH_2CH(OH)CH_2OH$	CH_2Cl
IA-509	A1.1	$CH_2CH(OCH_3)_2$	CH_2Cl
IA-510	A1.1	CH_2SCH_3	CH_2Cl
IA-511	A1.1	$(CH_2)_3SCH_3$	CH_2Cl
IA-512	A1.1	$CH_2S(=O)CH_3$	CH_2Cl
IA-513	A1.1	$CH_2S(=O)_2CH_3$	CH_2Cl
IA-514	A1.1	$CH_2C(=O)CH_3$	CH_2Cl
IA-515	A1.1	$CH_2C(=O)CH_2CH_3$	CH_2Cl
IA-516	A1.1	CH_2COOH	CH_2Cl
IA-517	A1.1	CH_2COOCH_3	CH_2Cl
IA-518	A1.1	$CH_2COOCH_2CH_3$	CH_2Cl
IA-519	A1.1	cyclo-C_3H_5	CH_2Cl

No.	A	R^e	R^f
IA-520	A1.1	cyclo-C_4H_7	CH_2Cl
IA-521	A1.1	cyclo-C_5H_9	CH_2Cl
IA-522	A1.1	cyclo-C_6H_{11}	CH_2Cl
IA-523	A1.1	C_6H_5	CH_2Cl
IA-524	A1.1	CH_2CH_2CN	CH_2CH_2CN
IA-525	A1.1	CH_2CH_2Cl	CH_2CH_2CN
IA-526	A1.1	CH_2CH_2OH	CH_2CH_2CN
IA-527	A1.1	$CH_2CH_2CH_2OH$	CH_2CH_2CN
IA-528	A1.1	$CH_2CH(OH)CH_2OH$	CH_2CH_2CN
IA-529	A1.1	$CH_2CH(OCH_3)_2$	CH_2CH_2CN
IA-530	A1.1	CH_2SCH_3	CH_2CH_2CN
IA-531	A1.1	$(CH_2)_3SCH_3$	CH_2CH_2CN
IA-532	A1.1	$CH_2S(=O)CH_3$	CH_2CH_2CN
IA-533	A1.1	$CH_2S(=O)_2CH_3$	CH_2CH_2CN
IA-534	A1.1	$CH_2C(=O)CH_3$	CH_2CH_2CN
IA-535	A1.1	$CH_2C(=O)CH_2CH_3$	CH_2CH_2CN
IA-536	A1.1	CH_2COOH	CH_2CH_2CN
IA-537	A1.1	CH_2COOCH_3	CH_2CH_2CN
IA-538	A1.1	$CH_2COOCH_2CH_3$	CH_2CH_2CN
IA-539	A1.1	cyclo-C_3H_5	CH_2CH_2CN
IA-540	A1.1	cyclo-C_4H_7	CH_2CH_2CN
IA-541	A1.1	cyclo-C_5H_9	CH_2CH_2CN
IA-542	A1.1	cyclo-C_6H_{11}	CH_2CH_2CN
IA-543	A1.1	C_6H_5	CH_2CH_2CN
IA-544	A1.1	CH_2CH_2Cl	CH_2CH_2Cl
IA-545	A1.1	CH_2CH_2OH	CH_2CH_2Cl
IA-546	A1.1	$CH_2CH_2CH_2OH$	CH_2CH_2Cl
IA-547	A1.1	$CH_2CH(OH)CH_2OH$	CH_2CH_2Cl
IA-548	A1.1	$CH_2CH(OCH_3)_2$	CH_2CH_2Cl
IA-549	A1.1	CH_2SCH_3	CH_2CH_2Cl
IA-550	A1.1	$(CH_2)_3SCH_3$	CH_2CH_2Cl
IA-551	A1.1	$CH_2S(=O)CH_3$	CH_2CH_2Cl

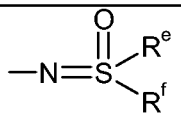
No.	A	R^e	R^f
IA-552	A1.1	$CH_2S(=O)_2CH_3$	CH_2CH_2Cl
IA-553	A1.1	$CH_2C(=O)CH_3$	CH_2CH_2Cl
IA-554	A1.1	$CH_2C(=O)CH_2CH_3$	CH_2CH_2Cl
IA-555	A1.1	CH_2COOH	CH_2CH_2Cl
IA-556	A1.1	CH_2COOCH_3	CH_2CH_2Cl
IA-557	A1.1	$CH_2COOCH_2CH_3$	CH_2CH_2Cl
IA-558	A1.1	cyclo-C_3H_5	CH_2CH_2Cl
IA-559	A1.1	cyclo-C_4H_7	CH_2CH_2Cl
IA-560	A1.1	cyclo-C_5H_9	CH_2CH_2Cl
IA-561	A1.1	cyclo-C_6H_{11}	CH_2CH_2Cl
IA-562	A1.1	C_6H_5	CH_2CH_2Cl
IA-563	A1.1	CH_2CH_2OH	CH_2CH_2OH
IA-564	A1.1	$CH_2CH_2CH_2OH$	CH_2CH_2OH
IA-565	A1.1	$CH_2CH(OH)CH_2OH$	CH_2CH_2OH
IA-566	A1.1	$CH_2CH(OCH_3)_2$	CH_2CH_2OH
IA-567	A1.1	CH_2SCH_3	CH_2CH_2OH
IA-568	A1.1	$(CH_2)_3SCH_3$	CH_2CH_2OH
IA-569	A1.1	$CH_2S(=O)CH_3$	CH_2CH_2OH
IA-570	A1.1	$CH_2S(=O)_2CH_3$	CH_2CH_2OH
IA-571	A1.1	$CH_2C(=O)CH_3$	CH_2CH_2OH
IA-572	A1.1	$CH_2C(=O)CH_2CH_3$	CH_2CH_2OH
IA-573	A1.1	CH_2COOH	CH_2CH_2OH
IA-574	A1.1	CH_2COOCH_3	CH_2CH_2OH
IA-575	A1.1	$CH_2COOCH_2CH_3$	CH_2CH_2OH
IA-576	A1.1	cyclo-C_3H_5	CH_2CH_2OH
IA-577	A1.1	cyclo-C_4H_7	CH_2CH_2OH
IA-578	A1.1	cyclo-C_5H_9	CH_2CH_2OH
IA-579	A1.1	cyclo-C_6H_{11}	CH_2CH_2OH
IA-580	A1.1	C_6H_5	CH_2CH_2OH
IA-581	A1.1	$CH_2CH_2CH_2OH$	$CH_2CH_2CH_2OH$
IA-582	A1.1	$CH_2CH(OH)CH_2OH$	$CH_2CH_2CH_2OH$
IA-583	A1.1	$CH_2CH(OCH_3)_2$	$CH_2CH_2CH_2OH$

No.	A	R^e	R^f
IA-584	$A^1.1$	CH_2SCH_3	$CH_2CH_2CH_2OH$
IA-585	$A^1.1$	$(CH_2)_3SCH_3$	$CH_2CH_2CH_2OH$
IA-586	$A^1.1$	$CH_2S(=O)CH_3$	$CH_2CH_2CH_2OH$
IA-587	$A^1.1$	$CH_2S(=O)_2CH_3$	$CH_2CH_2CH_2OH$
IA-588	$A^1.1$	$CH_2C(=O)CH_3$	$CH_2CH_2CH_2OH$
IA-589	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH_2CH_2CH_2OH$
IA-590	$A^1.1$	CH_2COOH	$CH_2CH_2CH_2OH$
IA-591	$A^1.1$	CH_2COOCH_3	$CH_2CH_2CH_2OH$
IA-592	$A^1.1$	$CH_2COOCH_2CH_3$	$CH_2CH_2CH_2OH$
IA-593	$A^1.1$	cyclo-C_3H_5	$CH_2CH_2CH_2OH$
IA-594	$A^1.1$	cyclo-C_4H_7	$CH_2CH_2CH_2OH$
IA-595	$A^1.1$	cyclo-C_5H_9	$CH_2CH_2CH_2OH$
IA-596	$A^1.1$	cyclo-C_6H_{11}	$CH_2CH_2CH_2OH$
IA-597	$A^1.1$	C_6H_5	$CH_2CH_2CH_2OH$
IA-598	$A^1.1$	$CH_2CH(OH)CH_2OH$	$CH_2CH(OH)CH_2OH$
IA-599	$A^1.1$	$CH_2CH(OCH_3)_2$	$CH_2CH(OH)CH_2OH$
IA-600	$A^1.1$	CH_2SCH_3	$CH_2CH(OH)CH_2OH$
IA-601	$A^1.1$	$(CH_2)_3SCH_3$	$CH_2CH(OH)CH_2OH$
IA-602	$A^1.1$	$CH_2S(=O)CH_3$	$CH_2CH(OH)CH_2OH$
IA-603	$A^1.1$	$CH_2S(=O)_2CH_3$	$CH_2CH(OH)CH_2OH$
IA-604	$A^1.1$	$CH_2C(=O)CH_3$	$CH_2CH(OH)CH_2OH$
IA-605	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH_2CH(OH)CH_2OH$
IA-606	$A^1.1$	CH_2COOH	$CH_2CH(OH)CH_2OH$
IA-607	$A^1.1$	CH_2COOCH_3	$CH_2CH(OH)CH_2OH$
IA-608	$A^1.1$	$CH_2COOCH_2CH_3$	$CH_2CH(OH)CH_2OH$
IA-609	$A^1.1$	cyclo-C_3H_5	$CH_2CH(OH)CH_2OH$
IA-610	$A^1.1$	cyclo-C_4H_7	$CH_2CH(OH)CH_2OH$
IA-611	$A^1.1$	cyclo-C_5H_9	$CH_2CH(OH)CH_2OH$
IA-612	$A^1.1$	cyclo-C_6H_{11}	$CH_2CH(OH)CH_2OH$
IA-613	$A^1.1$	C_6H_5	$CH_2CH(OH)CH_2OH$
IA-614	$A^1.1$	$CH_2CH(OCH_3)_2$	$CH_2CH(OCH_3)_2$
IA-615	$A^1.1$	CH_2SCH_3	$CH_2CH(OCH_3)_2$

No.	A	R^e	R^f
IA-616	$A^1.1$	$(CH_2)_3SCH_3$	$CH_2CH(OCH_3)_2$
IA-617	$A^1.1$	$CH_2S(=O)CH_3$	$CH_2CH(OCH_3)_2$
IA-618	$A^1.1$	$CH_2S(=O)_2CH_3$	$CH_2CH(OCH_3)_2$
IA-619	$A^1.1$	$CH_2C(=O)CH_3$	$CH_2CH(OCH_3)_2$
IA-620	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH_2CH(OCH_3)_2$
IA-621	$A^1.1$	CH_2COOH	$CH_2CH(OCH_3)_2$
IA-622	$A^1.1$	CH_2COOCH_3	$CH_2CH(OCH_3)_2$
IA-623	$A^1.1$	$CH_2COOCH_2CH_3$	$CH_2CH(OCH_3)_2$
IA-624	$A^1.1$	cyclo-C_3H_5	$CH_2CH(OCH_3)_2$
IA-625	$A^1.1$	cyclo-C_4H_7	$CH_2CH(OCH_3)_2$
IA-626	$A^1.1$	cyclo-C_5H_9	$CH_2CH(OCH_3)_2$
IA-627	$A^1.1$	cyclo-C_6H_{11}	$CH_2CH(OCH_3)_2$
IA-628	$A^1.1$	C_6H_5	$CH_2CH(OCH_3)_2$
IA-629	$A^1.1$	CH_2SCH_3	CH_2SCH_3
IA-630	$A^1.1$	$(CH_2)_3SCH_3$	CH_2SCH_3
IA-631	$A^1.1$	$CH_2S(=O)CH_3$	CH_2SCH_3
IA-632	$A^1.1$	$CH_2S(=O)_2CH_3$	CH_2SCH_3
IA-633	$A^1.1$	$CH_2C(=O)CH_3$	CH_2SCH_3
IA-634	$A^1.1$	$CH_2C(=O)CH_2CH_3$	CH_2SCH_3
IA-635	$A^1.1$	CH_2COOH	CH_2SCH_3
IA-636	$A^1.1$	CH_2COOCH_3	CH_2SCH_3
IA-637	$A^1.1$	$CH_2COOCH_2CH_3$	CH_2SCH_3
IA-638	$A^1.1$	cyclo-C_3H_5	CH_2SCH_3
IA-639	$A^1.1$	cyclo-C_4H_7	CH_2SCH_3
IA-640	$A^1.1$	cyclo-C_5H_9	CH_2SCH_3
IA-641	$A^1.1$	cyclo-C_6H_{11}	CH_2SCH_3
IA-642	$A^1.1$	C_6H_5	CH_2SCH_3
IA-643	$A^1.1$	$(CH_2)_3SCH_3$	$(CH_2)_3SCH_3$
IA-644	$A^1.1$	$CH_2S(=O)CH_3$	$(CH_2)_3SCH_3$
IA-645	$A^1.1$	$CH_2S(=O)_2CH_3$	$(CH_2)_3SCH_3$
IA-646	$A^1.1$	$CH_2C(=O)CH_3$	$(CH_2)_3SCH_3$
IA-647	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$(CH_2)_3SCH_3$

No.	A	R^e	R^f
IA-648	A1.1	CH_2COOH	$(CH_2)_3SCH_3$
IA-649	A1.1	CH_2COOCH_3	$(CH_2)_3SCH_3$
IA-650	A1.1	$CH_2COOCH_2CH_3$	$(CH_2)_3SCH_3$
IA-651	A1.1	cyclo-C_3H_5	$(CH_2)_3SCH_3$
IA-652	A1.1	cyclo-C_4H_7	$(CH_2)_3SCH_3$
IA-653	A1.1	cyclo-C_5H_9	$(CH_2)_3SCH_3$
IA-654	A1.1	cyclo-C_6H_{11}	$(CH_2)_3SCH_3$
IA-655	A1.1	C_6H_5	$(CH_2)_3SCH_3$
IA-656	A1.1	$CH_2S(=O)CH_3$	$CH_2S(=O)CH_3$
IA-657	A1.1	$CH_2S(=O)_2CH_3$	$CH_2S(=O)CH_3$
IA-658	A1.1	$CH_2C(=O)CH_3$	$CH_2S(=O)CH_3$
IA-659	A1.1	$CH_2C(=O)CH_2CH_3$	$CH_2S(=O)CH_3$
IA-660	A1.1	CH_2COOH	$CH_2S(=O)CH_3$
IA-661	A1.1	CH_2COOCH_3	$CH_2S(=O)CH_3$
IA-662	A1.1	$CH_2COOCH_2CH_3$	$CH_2S(=O)CH_3$
IA-663	A1.1	cyclo-C_3H_5	$CH_2S(=O)CH_3$
IA-664	A1.1	cyclo-C_4H_7	$CH_2S(=O)CH_3$
IA-665	A1.1	cyclo-C_5H_9	$CH_2S(=O)CH_3$
IA-666	A1.1	cyclo-C_6H_{11}	$CH_2S(=O)CH_3$
IA-667	A1.1	C_6H_5	$CH_2S(=O)CH_3$
IA-668	A1.1	$CH_2S(=O)_2CH_3$	$CH_2S(=O)_2CH_3$
IA-669	A1.1	$CH_2C(=O)CH_3$	$CH_2S(=O)_2CH_3$
IA-670	A1.1	$CH_2C(=O)CH_2CH_3$	$CH_2S(=O)_2CH_3$
IA-671	A1.1	CH_2COOH	$CH_2S(=O)_2CH_3$
IA-672	A1.1	CH_2COOCH_3	$CH_2S(=O)_2CH_3$
IA-673	A1.1	$CH_2COOCH_2CH_3$	$CH_2S(=O)_2CH_3$
IA-674	A1.1	cyclo-C_3H_5	$CH_2S(=O)_2CH_3$
IA-675	A1.1	cyclo-C_4H_7	$CH_2S(=O)_2CH_3$
IA-676	A1.1	cyclo-C_5H_9	$CH_2S(=O)_2CH_3$
IA-677	A1.1	cyclo-C_6H_{11}	$CH_2S(=O)_2CH_3$
IA-678	A1.1	C_6H_5	$CH_2S(=O)_2CH_3$
IA-679	A1.1	$CH_2C(=O)CH_3$	$CH_2C(=O)CH_3$

No.	A	R^e	R^f
IA-680	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH_2C(=O)CH_3$
IA-681	$A^1.1$	CH_2COOH	$CH_2C(=O)CH_3$
IA-682	$A^1.1$	CH_2COOCH_3	$CH_2C(=O)CH_3$
IA-683	$A^1.1$	$CH_2COOCH_2CH_3$	$CH_2C(=O)CH_3$
IA-684	$A^1.1$	cyclo-C_3H_5	$CH_2C(=O)CH_3$
IA-685	$A^1.1$	cyclo-C_4H_7	$CH_2C(=O)CH_3$
IA-686	$A^1.1$	cyclo-C_5H_9	$CH_2C(=O)CH_3$
IA-687	$A^1.1$	cyclo-C_6H_{11}	$CH_2C(=O)CH_3$
IA-688	$A^1.1$	C_6H_5	$CH_2C(=O)CH_3$
IA-689	$A^1.1$	$CH_2C(=O)CH_2CH_3$	$CH_2C(=O)CH_2CH_3$
IA-690	$A^1.1$	CH_2COOH	$CH_2C(=O)CH_2CH_3$
IA-691	$A^1.1$	CH_2COOCH_3	$CH_2C(=O)CH_2CH_3$
IA-692	$A^1.1$	$CH_2COOCH_2CH_3$	$CH_2C(=O)CH_2CH_3$
IA-693	$A^1.1$	cyclo-C_3H_5	$CH_2C(=O)CH_2CH_3$
IA-694	$A^1.1$	cyclo-C_4H_7	$CH_2C(=O)CH_2CH_3$
IA-695	$A^1.1$	cyclo-C_5H_9	$CH_2C(=O)CH_2CH_3$
IA-696	$A^1.1$	cyclo-C_6H_{11}	$CH_2C(=O)CH_2CH_3$
IA-697	$A^1.1$	C_6H_5	$CH_2C(=O)CH_2CH_3$
IA-698	$A^1.1$	CH_2COOH	CH_2COOH
IA-699	$A^1.1$	CH_2COOCH_3	CH_2COOH
IA-700	$A^1.1$	$CH_2COOCH_2CH_3$	CH_2COOH
IA-701	$A^1.1$	cyclo-C_3H_5	CH_2COOH
IA-702	$A^1.1$	cyclo-C_4H_7	CH_2COOH
IA-703	$A^1.1$	cyclo-C_5H_9	CH_2COOH
IA-704	$A^1.1$	cyclo-C_6H_{11}	CH_2COOH
IA-705	$A^1.1$	C_6H_5	CH_2COOH
IA-706	$A^1.1$	CH_2COOCH_3	CH_2COOCH_3
IA-707	$A^1.1$	$CH_2COOCH_2CH_3$	CH_2COOCH_3
IA-708	$A^1.1$	cyclo-C_3H_5	CH_2COOCH_3
IA-709	$A^1.1$	cyclo-C_4H_7	CH_2COOCH_3
IA-710	$A^1.1$	cyclo-C_5H_9	CH_2COOCH_3
IA-711	$A^1.1$	cyclo-C_6H_{11}	CH_2COOCH_3

No.	A	R^e	R^f
IA-712	A1.1	C_6H_5	CH_2COOCH_3
IA-713	A1.1	$CH_2COOCH_2CH_3$	$CH_2COOCH_2CH_3$
IA-714	A1.1	cyclo-C_3H_5	$CH_2COOCH_2CH_3$
IA-715	A1.1	cyclo-C_4H_7	$CH_2COOCH_2CH_3$
IA-716	A1.1	cyclo-C_5H_9	$CH_2COOCH_2CH_3$
IA-717	A1.1	cyclo-C_6H_{11}	$CH_2COOCH_2CH_3$
IA-718	A1.1	C_6H_5	$CH_2COOCH_2CH_3$
IA-719	A1.1	cyclo-C_3H_5	cyclo-C_3H_5
IA-720	A1.1	cyclo-C_4H_7	cyclo-C_3H_5
IA-721	A1.1	cyclo-C_5H_9	cyclo-C_3H_5
IA-722	A1.1	cyclo-C_6H_{11}	cyclo-C_3H_5
IA-723	A1.1	C_6H_5	cyclo-C_3H_5
IA-724	A1.1	cyclo-C_4H_7	cyclo-C_4H_7
IA-725	A1.1	cyclo-C_5H_9	cyclo-C_4H_7
IA-726	A1.1	cyclo-C_6H_{11}	cyclo-C_4H_7
IA-727	A1.1	C_6H_5	cyclo-C_4H_7
IA-728	A1.1	cyclo-C_5H_9	cyclo-C_5H_9
IA-729	A1.1	cyclo-C_6H_{11}	cyclo-C_5H_9
IA-730	A1.1	C_6H_5	cyclo-C_5H_9
IA-731	A1.1	cyclo-C_6H_{11}	cyclo-C_6H_{11}
IA-732	A1.1	C_6H_5	cyclo-C_6H_{11}
IA-733	A1.1	C_6H_5	C_6H_5
IA-734	 A1.2	CH_3	CH_3
IA-735	A1.2	CH_2CH_3	CH_3
IA-736	A1.2	$CH{=}CH_2$	CH_3
IA-737	A1.2	$CH_2CH_2CH_3$	CH_3
IA-738	A1.2	$CH(CH_3)_2$	CH_3
IA-739	A1.2	$CH_2CH_2CH_2CH_3$	CH_3
IA-740	A1.2	$C(CH_3)_3$	CH_3
IA-741	A1.2	$CH_2CH(CH_3)_2$	CH_3

No.	A	R^e	R^f
IA-742	A1.2	$CH(CH_3)CH_2CH_3$	CH_3
IA-743	A1.2	CH_2CHCH_2	CH_3
IA-744	A1.2	CH_2CCH	CH_3
IA-745	A1.2	$CH(CH_3)CH=CH_2$	CH_3
IA-746	A1.2	CHF_2	CH_3
IA-747	A1.2	CH_2Cl	CH_3
IA-748	A1.2	CH_2CH_2CN	CH_3
IA-749	A1.2	CH_2CH_2Cl	CH_3
IA-750	A1.2	CH_2CH_2OH	CH_3
IA-751	A1.2	$CH_2CH_2CH_2OH$	CH_3
IA-752	A1.2	$CH_2CH(OH)CH_2OH$	CH_3
IA-753	A1.2	$CH_2CH(OCH_3)_2$	CH_3
IA-754	A1.2	CH_2SCH_3	CH_3
IA-755	A1.2	$(CH_2)_3SCH_3$	CH_3
IA-756	A1.2	$CH_2S(=O)CH_3$	CH_3
IA-757	A1.2	$CH_2S(=O)_2CH_3$	CH_3
IA-758	A1.2	$CH_2C(=O)CH_3$	CH_3
IA-759	A1.2	$CH_2C(=O)CH_2CH_3$	CH_3
IA-760	A1.2	CH_2COOH	CH_3
IA-761	A1.2	CH_2COOCH_3	CH_3
IA-762	A1.2	$CH_2COOCH_2CH_3$	CH_3
IA-763	A1.2	cyclo-C_3H_5	CH_3
IA-764	A1.2	cyclo-C_4H_7	CH_3
IA-765	A1.2	cyclo-C_5H_9	CH_3
IA-766	A1.2	cyclo-C_6H_{11}	CH_3
IA-767	A1.2	C_6H_5	CH_3
IA-768	A1.2	CH_2CH_3	CH_2CH_3
IA-769	A1.2	$CH=CH_2$	CH_2CH_3
IA-770	A1.2	$CH_2CH_2CH_3$	CH_2CH_3
IA-771	A1.2	$CH(CH_3)_2$	CH_2CH_3
IA-772	A1.2	$CH_2CH_2CH_2CH_3$	CH_2CH_3
IA-773	A1.2	$C(CH_3)_3$	CH_2CH_3

No.	A	R^e	R^f
IA-774	A1.2	$CH_2CH(CH_3)_2$	CH_2CH_3
IA-775	A1.2	$CH(CH_3)CH_2CH_3$	CH_2CH_3
IA-776	A1.2	CH_2CHCH_2	CH_2CH_3
IA-777	A1.2	CH_2CCH	CH_2CH_3
IA-778	A1.2	$CH(CH_3)CH=CH_2$	CH_2CH_3
IA-779	A1.2	CHF_2	CH_2CH_3
IA-780	A1.2	CH_2Cl	CH_2CH_3
IA-781	A1.2	CH_2CH_2CN	CH_2CH_3
IA-782	A1.2	CH_2CH_2Cl	CH_2CH_3
IA-783	A1.2	CH_2CH_2OH	CH_2CH_3
IA-784	A1.2	$CH_2CH_2CH_2OH$	CH_2CH_3
IA-785	A1.2	$CH_2CH(OH)CH_2OH$	CH_2CH_3
IA-786	A1.2	$CH_2CH(OCH_3)_2$	CH_2CH_3
IA-787	A1.2	CH_2SCH_3	CH_2CH_3
IA-788	A1.2	$(CH_2)_3SCH_3$	CH_2CH_3
IA-789	A1.2	$CH_2S(=O)CH_3$	CH_2CH_3
IA-790	A1.2	$CH_2S(=O)_2CH_3$	CH_2CH_3
IA-791	A1.2	$CH_2C(=O)CH_3$	CH_2CH_3
IA-792	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2CH_3
IA-793	A1.2	CH_2COOH	CH_2CH_3
IA-794	A1.2	CH_2COOCH_3	CH_2CH_3
IA-795	A1.2	$CH_2COOCH_2CH_3$	CH_2CH_3
IA-796	A1.2	cyclo-C_3H_5	CH_2CH_3
IA-797	A1.2	cyclo-C_4H_7	CH_2CH_3
IA-798	A1.2	cyclo-C_5H_9	CH_2CH_3
IA-799	A1.2	cyclo-C_6H_{11}	CH_2CH_3
IA-800	A1.2	C_6H_5	CH_2CH_3
IA-801	A1.2	$CH=CH_2$	$CH=CH_2$
IA-802	A1.2	$CH_2CH_2CH_3$	$CH=CH_2$
IA-803	A1.2	$CH(CH_3)_2$	$CH=CH_2$
IA-804	A1.2	$CH_2CH_2CH_2CH_3$	$CH=CH_2$
IA-805	A1.2	$C(CH_3)_3$	$CH=CH_2$

No.	A	R^e	R^f
IA-806	A1.2	$CH_2CH(CH_3)_2$	$CH=CH_2$
IA-807	A1.2	$CH(CH_3)CH_2CH_3$	$CH=CH_2$
IA-808	A1.2	CH_2CHCH_2	$CH=CH_2$
IA-809	A1.2	CH_2CCH	$CH=CH_2$
IA-810	A1.2	$CH(CH_3)CH=CH_2$	$CH=CH_2$
IA-811	A1.2	CHF_2	$CH=CH_2$
IA-812	A1.2	CH_2Cl	$CH=CH_2$
IA-813	A1.2	CH_2CH_2CN	$CH=CH_2$
IA-814	A1.2	CH_2CH_2Cl	$CH=CH_2$
IA-815	A1.2	CH_2CH_2OH	$CH=CH_2$
IA-816	A1.2	$CH_2CH_2CH_2OH$	$CH=CH_2$
IA-817	A1.2	$CH_2CH(OH)CH_2OH$	$CH=CH_2$
IA-818	A1.2	$CH_2CH(OCH_3)_2$	$CH=CH_2$
IA-819	A1.2	CH_2SCH_3	$CH=CH_2$
IA-820	A1.2	$(CH_2)_3SCH_3$	$CH=CH_2$
IA-821	A1.2	$CH_2S(=O)CH_3$	$CH=CH_2$
IA-822	A1.2	$CH_2S(=O)_2CH_3$	$CH=CH_2$
IA-823	A1.2	$CH_2C(=O)CH_3$	$CH=CH_2$
IA-824	A1.2	$CH_2C(=O)CH_2CH_3$	$CH=CH_2$
IA-825	A1.2	CH_2COOH	$CH=CH_2$
IA-826	A1.2	CH_2COOCH_3	$CH=CH_2$
IA-827	A1.2	$CH_2COOCH_2CH_3$	$CH=CH_2$
IA-828	A1.2	cyclo-C_3H_5	$CH=CH_2$
IA-829	A1.2	cyclo-C_4H_7	$CH=CH_2$
IA-830	A1.2	cyclo-C_5H_9	$CH=CH_2$
IA-831	A1.2	cyclo-C_6H_{11}	$CH=CH_2$
IA-832	A1.2	C_6H_5	$CH=CH_2$
IA-833	A1.2	$CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-834	A1.2	$CH(CH_3)_2$	$CH_2CH_2CH_3$
IA-835	A1.2	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_3$
IA-836	A1.2	$C(CH_3)_3$	$CH_2CH_2CH_3$
IA-837	A1.2	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_3$

No.	A	R^e	R^f
IA-838	A1.2	$CH(CH_3)CH_2CH_3$	$CH_2CH_2CH_3$
IA-839	A1.2	CH_2CHCH_2	$CH_2CH_2CH_3$
IA-840	A1.2	CH_2CCH	$CH_2CH_2CH_3$
IA-841	A1.2	$CH(CH_3)CH=CH_2$	$CH_2CH_2CH_3$
IA-842	A1.2	CHF_2	$CH_2CH_2CH_3$
IA-843	A1.2	CH_2Cl	$CH_2CH_2CH_3$
IA-844	A1.2	CH_2CH_2CN	$CH_2CH_2CH_3$
IA-845	A1.2	CH_2CH_2Cl	$CH_2CH_2CH_3$
IA-846	A1.2	CH_2CH_2OH	$CH_2CH_2CH_3$
IA-847	A1.2	$CH_2CH_2CH_2OH$	$CH_2CH_2CH_3$
IA-848	A1.2	$CH_2CH(OH)CH_2OH$	$CH_2CH_2CH_3$
IA-849	A1.2	$CH_2CH(OCH_3)_2$	$CH_2CH_2CH_3$
IA-850	A1.2	CH_2SCH_3	$CH_2CH_2CH_3$
IA-851	A1.2	$(CH_2)_3SCH_3$	$CH_2CH_2CH_3$
IA-852	A1.2	$CH_2S(=O)CH_3$	$CH_2CH_2CH_3$
IA-853	A1.2	$CH_2S(=O)_2CH_3$	$CH_2CH_2CH_3$
IA-854	A1.2	$CH_2C(=O)CH_3$	$CH_2CH_2CH_3$
IA-855	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2CH_2CH_3$
IA-856	A1.2	CH_2COOH	$CH_2CH_2CH_3$
IA-857	A1.2	CH_2COOCH_3	$CH_2CH_2CH_3$
IA-858	A1.2	$CH_2COOCH_2CH_3$	$CH_2CH_2CH_3$
IA-859	A1.2	cyclo-C_3H_5	$CH_2CH_2CH_3$
IA-860	A1.2	cyclo-C_4H_7	$CH_2CH_2CH_3$
IA-861	A1.2	cyclo-C_5H_9	$CH_2CH_2CH_3$
IA-862	A1.2	cyclo-C_6H_{11}	$CH_2CH_2CH_3$
IA-863	A1.2	C_6H_5	$CH_2CH_2CH_3$
IA-864	A1.2	$CH(CH_3)_2$	$CH(CH_3)_2$
IA-865	A1.2	$CH_2CH_2CH_2CH_3$	$CH(CH_3)_2$
IA-866	A1.2	$C(CH_3)_3$	$CH(CH_3)_2$
IA-867	A1.2	$CH_2CH(CH_3)_2$	$CH(CH_3)_2$
IA-868	A1.2	$CH(CH_3)CH_2CH_3$	$CH(CH_3)_2$
IA-869	A1.2	CH_2CHCH_2	$CH(CH_3)_2$

No.	A	R^e	R^f
IA-870	A1.2	CH_2CCH	$CH(CH_3)_2$
IA-871	A1.2	$CH(CH_3)CH=CH_2$	$CH(CH_3)_2$
IA-872	A1.2	CHF_2	$CH(CH_3)_2$
IA-873	A1.2	CH_2Cl	$CH(CH_3)_2$
IA-874	A1.2	CH_2CH_2CN	$CH(CH_3)_2$
IA-875	A1.2	CH_2CH_2Cl	$CH(CH_3)_2$
IA-876	A1.2	CH_2CH_2OH	$CH(CH_3)_2$
IA-877	A1.2	$CH_2CH_2CH_2OH$	$CH(CH_3)_2$
IA-878	A1.2	$CH_2CH(OH)CH_2OH$	$CH(CH_3)_2$
IA-879	A1.2	$CH_2CH(OCH_3)_2$	$CH(CH_3)_2$
IA-880	A1.2	CH_2SCH_3	$CH(CH_3)_2$
IA-881	A1.2	$(CH_2)_3SCH_3$	$CH(CH_3)_2$
IA-882	A1.2	$CH_2S(=O)CH_3$	$CH(CH_3)_2$
IA-883	A1.2	$CH_2S(=O)_2CH_3$	$CH(CH_3)_2$
IA-884	A1.2	$CH_2C(=O)CH_3$	$CH(CH_3)_2$
IA-885	A1.2	$CH_2C(=O)CH_2CH_3$	$CH(CH_3)_2$
IA-886	A1.2	CH_2COOH	$CH(CH_3)_2$
IA-887	A1.2	CH_2COOCH_3	$CH(CH_3)_2$
IA-888	A1.2	$CH_2COOCH_2CH_3$	$CH(CH_3)_2$
IA-889	A1.2	cyclo-C_3H_5	$CH(CH_3)_2$
IA-890	A1.2	cyclo-C_4H_7	$CH(CH_3)_2$
IA-891	A1.2	cyclo-C_5H_9	$CH(CH_3)_2$
IA-892	A1.2	cyclo-C_6H_{11}	$CH(CH_3)_2$
IA-893	A1.2	C_6H_5	$CH(CH_3)_2$
IA-894	A1.2	$CH_2CH_2CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-895	A1.2	$C(CH_3)_3$	$CH_2CH_2CH_2CH_3$
IA-896	A1.2	$CH_2CH(CH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-897	A1.2	$CH(CH_3)CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-898	A1.2	CH_2CHCH_2	$CH_2CH_2CH_2CH_3$
IA-899	A1.2	CH_2CCH	$CH_2CH_2CH_2CH_3$
IA-900	A1.2	$CH(CH_3)CH=CH_2$	$CH_2CH_2CH_2CH_3$
IA-901	A1.2	CHF_2	$CH_2CH_2CH_2CH_3$

No.	A	R^e	R^f
IA-902	A1.2	CH_2Cl	$CH_2CH_2CH_2CH_3$
IA-903	A1.2	CH_2CH_2CN	$CH_2CH_2CH_2CH_3$
IA-904	A1.2	CH_2CH_2Cl	$CH_2CH_2CH_2CH_3$
IA-905	A1.2	CH_2CH_2OH	$CH_2CH_2CH_2CH_3$
IA-906	A1.2	$CH_2CH_2CH_2OH$	$CH_2CH_2CH_2CH_3$
IA-907	A1.2	$CH_2CH(OH)CH_2OH$	$CH_2CH_2CH_2CH_3$
IA-908	A1.2	$CH_2CH(OCH_3)_2$	$CH_2CH_2CH_2CH_3$
IA-909	A1.2	CH_2SCH_3	$CH_2CH_2CH_2CH_3$
IA-910	A1.2	$(CH_2)_3SCH_3$	$CH_2CH_2CH_2CH_3$
IA-911	A1.2	$CH_2S(=O)CH_3$	$CH_2CH_2CH_2CH_3$
IA-912	A1.2	$CH_2S(=O)_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-913	A1.2	$CH_2C(=O)CH_3$	$CH_2CH_2CH_2CH_3$
IA-914	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-915	A1.2	CH_2COOH	$CH_2CH_2CH_2CH_3$
IA-916	A1.2	CH_2COOCH_3	$CH_2CH_2CH_2CH_3$
IA-917	A1.2	$CH_2COOCH_2CH_3$	$CH_2CH_2CH_2CH_3$
IA-918	A1.2	cyclo-C_3H_5	$CH_2CH_2CH_2CH_3$
IA-919	A1.2	cyclo-C_4H_7	$CH_2CH_2CH_2CH_3$
IA-920	A1.2	cyclo-C_5H_9	$CH_2CH_2CH_2CH_3$
IA-921	A1.2	cyclo-C_6H_{11}	$CH_2CH_2CH_2CH_3$
IA-922	A1.2	C_6H_5	$CH_2CH_2CH_2CH_3$
IA-923	A1.2	$C(CH_3)_3$	$C(CH_3)_3$
IA-924	A1.2	$CH_2CH(CH_3)_2$	$C(CH_3)_3$
IA-925	A1.2	$CH(CH_3)CH_2CH_3$	$C(CH_3)_3$
IA-926	A1.2	CH_2CHCH_2	$C(CH_3)_3$
IA-927	A1.2	CH_2CCH	$C(CH_3)_3$
IA-928	A1.2	$CH(CH_3)CH=CH_2$	$C(CH_3)_3$
IA-929	A1.2	CHF_2	$C(CH_3)_3$
IA-930	A1.2	CH_2Cl	$C(CH_3)_3$
IA-931	A1.2	CH_2CH_2CN	$C(CH_3)_3$
IA-932	A1.2	CH_2CH_2Cl	$C(CH_3)_3$
IA-933	A1.2	CH_2CH_2OH	$C(CH_3)_3$

No.	A	R^e	R^f
IA-934	A1.2	$CH_2CH_2CH_2OH$	$C(CH_3)_3$
IA-935	A1.2	$CH_2CH(OH)CH_2OH$	$C(CH_3)_3$
IA-936	A1.2	$CH_2CH(OCH_3)_2$	$C(CH_3)_3$
IA-937	A1.2	CH_2SCH_3	$C(CH_3)_3$
IA-938	A1.2	$(CH_2)_3SCH_3$	$C(CH_3)_3$
IA-939	A1.2	$CH_2S(=O)CH_3$	$C(CH_3)_3$
IA-940	A1.2	$CH_2S(=O)_2CH_3$	$C(CH_3)_3$
IA-941	A1.2	$CH_2C(=O)CH_3$	$C(CH_3)_3$
IA-942	A1.2	$CH_2C(=O)CH_2CH_3$	$C(CH_3)_3$
IA-943	A1.2	CH_2COOH	$C(CH_3)_3$
IA-944	A1.2	CH_2COOCH_3	$C(CH_3)_3$
IA-945	A1.2	$CH_2COOCH_2CH_3$	$C(CH_3)_3$
IA-946	A1.2	cyclo-C_3H_5	$C(CH_3)_3$
IA-947	A1.2	cyclo-C_4H_7	$C(CH_3)_3$
IA-948	A1.2	cyclo-C_5H_9	$C(CH_3)_3$
IA-949	A1.2	cyclo-C_6H_{11}	$C(CH_3)_3$
IA-950	A1.2	C_6H_5	$C(CH_3)_3$
IA-951	A1.2	$CH_2CH(CH_3)_2$	$CH_2CH(CH_3)_2$
IA-952	A1.2	$CH(CH_3)CH_2CH_3$	$CH_2CH(CH_3)_2$
IA-953	A1.2	CH_2CHCH_2	$CH_2CH(CH_3)_2$
IA-954	A1.2	CH_2CCH	$CH_2CH(CH_3)_2$
IA-955	A1.2	$CH(CH_3)CH=CH_2$	$CH_2CH(CH_3)_2$
IA-956	A1.2	CHF_2	$CH_2CH(CH_3)_2$
IA-957	A1.2	CH_2Cl	$CH_2CH(CH_3)_2$
IA-958	A1.2	CH_2CH_2CN	$CH_2CH(CH_3)_2$
IA-959	A1.2	CH_2CH_2Cl	$CH_2CH(CH_3)_2$
IA-960	A1.2	CH_2CH_2OH	$CH_2CH(CH_3)_2$
IA-961	A1.2	$CH_2CH_2CH_2OH$	$CH_2CH(CH_3)_2$
IA-962	A1.2	$CH_2CH(OH)CH_2OH$	$CH_2CH(CH_3)_2$
IA-963	A1.2	$CH_2CH(OCH_3)_2$	$CH_2CH(CH_3)_2$
IA-964	A1.2	CH_2SCH_3	$CH_2CH(CH_3)_2$
IA-965	A1.2	$(CH_2)_3SCH_3$	$CH_2CH(CH_3)_2$

No.	A	R^e	R^f
IA-966	A1.2	$CH_2S(=O)CH_3$	$CH_2CH(CH_3)_2$
IA-967	A1.2	$CH_2S(=O)_2CH_3$	$CH_2CH(CH_3)_2$
IA-968	A1.2	$CH_2C(=O)CH_3$	$CH_2CH(CH_3)_2$
IA-969	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2CH(CH_3)_2$
IA-970	A1.2	CH_2COOH	$CH_2CH(CH_3)_2$
IA-971	A1.2	CH_2COOCH_3	$CH_2CH(CH_3)_2$
IA-972	A1.2	$CH_2COOCH_2CH_3$	$CH_2CH(CH_3)_2$
IA-973	A1.2	cyclo-C_3H_5	$CH_2CH(CH_3)_2$
IA-974	A1.2	cyclo-C_4H_7	$CH_2CH(CH_3)_2$
IA-975	A1.2	cyclo-C_5H_9	$CH_2CH(CH_3)_2$
IA-976	A1.2	cyclo-C_6H_{11}	$CH_2CH(CH_3)_2$
IA-977	A1.2	C_6H_5	$CH_2CH(CH_3)_2$
IA-978	A1.2	$CH(CH_3)CH_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-979	A1.2	CH_2CHCH_2	$CH(CH_3)CH_2CH_3$
IA-980	A1.2	CH_2CCH	$CH(CH_3)CH_2CH_3$
IA-981	A1.2	$CH(CH_3)CH=CH_2$	$CH(CH_3)CH_2CH_3$
IA-982	A1.2	CHF_2	$CH(CH_3)CH_2CH_3$
IA-983	A1.2	CH_2Cl	$CH(CH_3)CH_2CH_3$
IA-984	A1.2	CH_2CH_2CN	$CH(CH_3)CH_2CH_3$
IA-985	A1.2	CH_2CH_2Cl	$CH(CH_3)CH_2CH_3$
IA-986	A1.2	CH_2CH_2OH	$CH(CH_3)CH_2CH_3$
IA-987	A1.2	$CH_2CH_2CH_2OH$	$CH(CH_3)CH_2CH_3$
IA-988	A1.2	$CH_2CH(OH)CH_2OH$	$CH(CH_3)CH_2CH_3$
IA-989	A1.2	$CH_2CH(OCH_3)_2$	$CH(CH_3)CH_2CH_3$
IA-990	A1.2	CH_2SCH_3	$CH(CH_3)CH_2CH_3$
IA-991	A1.2	$(CH_2)_3SCH_3$	$CH(CH_3)CH_2CH_3$
IA-992	A1.2	$CH_2S(=O)CH_3$	$CH(CH_3)CH_2CH_3$
IA-993	A1.2	$CH_2S(=O)_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-994	A1.2	$CH_2C(=O)CH_3$	$CH(CH_3)CH_2CH_3$
IA-995	A1.2	$CH_2C(=O)CH_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-996	A1.2	CH_2COOH	$CH(CH_3)CH_2CH_3$
IA-997	A1.2	CH_2COOCH_3	$CH(CH_3)CH_2CH_3$

No.	A	R^e	R^f
IA-998	A1.2	$CH_2COOCH_2CH_3$	$CH(CH_3)CH_2CH_3$
IA-999	A1.2	cyclo-C_3H_5	$CH(CH_3)CH_2CH_3$
IA-1000	A1.2	cyclo-C_4H_7	$CH(CH_3)CH_2CH_3$
IA-1001	A1.2	cyclo-C_5H_9	$CH(CH_3)CH_2CH_3$
IA-1002	A1.2	cyclo-C_6H_{11}	$CH(CH_3)CH_2CH_3$
IA-1003	A1.2	C_6H_5	$CH(CH_3)CH_2CH_3$
IA-1004	A1.2	CH_2CHCH_2	CH_2CHCH_2
IA-1005	A1.2	CH_2CCH	CH_2CHCH_2
IA-1006	A1.2	$CH(CH_3)CH=CH_2$	CH_2CHCH_2
IA-1007	A1.2	CHF_2	CH_2CHCH_2
IA-1008	A1.2	CH_2Cl	CH_2CHCH_2
IA-1009	A1.2	CH_2CH_2CN	CH_2CHCH_2
IA-1010	A1.2	CH_2CH_2Cl	CH_2CHCH_2
IA-1011	A1.2	CH_2CH_2OH	CH_2CHCH_2
IA-1012	A1.2	$CH_2CH_2CH_2OH$	CH_2CHCH_2
IA-1013	A1.2	$CH_2CH(OH)CH_2OH$	CH_2CHCH_2
IA-1014	A1.2	$CH_2CH(OCH_3)_2$	CH_2CHCH_2
IA-1015	A1.2	CH_2SCH_3	CH_2CHCH_2
IA-1016	A1.2	$(CH_2)_3SCH_3$	CH_2CHCH_2
IA-1017	A1.2	$CH_2S(=O)CH_3$	CH_2CHCH_2
IA-1018	A1.2	$CH_2S(=O)_2CH_3$	CH_2CHCH_2
IA-1019	A1.2	$CH_2C(=O)CH_3$	CH_2CHCH_2
IA-1020	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2CHCH_2
IA-1021	A1.2	CH_2COOH	CH_2CHCH_2
IA-1022	A1.2	CH_2COOCH_3	CH_2CHCH_2
IA-1023	A1.2	$CH_2COOCH_2CH_3$	CH_2CHCH_2
IA-1024	A1.2	cyclo-C_3H_5	CH_2CHCH_2
IA-1025	A1.2	cyclo-C_4H_7	CH_2CHCH_2
IA-1026	A1.2	cyclo-C_5H_9	CH_2CHCH_2
IA-1027	A1.2	cyclo-C_6H_{11}	CH_2CHCH_2
IA-1028	A1.2	C_6H_5	CH_2CHCH_2
IA-1029	A1.2	CH_2CCH	CH_2CCH

No.	A	R^e	R^f
IA-1030	A1.2	$CH(CH_3)CH=CH_2$	CH_2CCH
IA-1031	A1.2	CHF_2	CH_2CCH
IA-1032	A1.2	CH_2Cl	CH_2CCH
IA-1033	A1.2	CH_2CH_2CN	CH_2CCH
IA-1034	A1.2	CH_2CH_2Cl	CH_2CCH
IA-1035	A1.2	CH_2CH_2OH	CH_2CCH
IA-1036	A1.2	$CH_2CH_2CH_2OH$	CH_2CCH
IA-1037	A1.2	$CH_2CH(OH)CH_2OH$	CH_2CCH
IA-1038	A1.2	$CH_2CH(OCH_3)_2$	CH_2CCH
IA-1039	A1.2	CH_2SCH_3	CH_2CCH
IA-1040	A1.2	$(CH_2)_3SCH_3$	CH_2CCH
IA-1041	A1.2	$CH_2S(=O)CH_3$	CH_2CCH
IA-1042	A1.2	$CH_2S(=O)_2CH_3$	CH_2CCH
IA-1043	A1.2	$CH_2C(=O)CH_3$	CH_2CCH
IA-1044	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2CCH
IA-1045	A1.2	CH_2COOH	CH_2CCH
IA-1046	A1.2	CH_2COOCH_3	CH_2CCH
IA-1047	A1.2	$CH_2COOCH_2CH_3$	CH_2CCH
IA-1048	A1.2	cyclo-C_3H_5	CH_2CCH
IA-1049	A1.2	cyclo-C_4H_7	CH_2CCH
IA-1050	A1.2	cyclo-C_5H_9	CH_2CCH
IA-1051	A1.2	cyclo-C_6H_{11}	CH_2CCH
IA-1052	A1.2	C_6H_5	CH_2CCH
IA-1053	A1.2	$CH(CH_3)CH=CH_2$	$CH(CH_3)CH=CH_2$
IA-1054	A1.2	CHF_2	$CH(CH_3)CH=CH_2$
IA-1055	A1.2	CH_2Cl	$CH(CH_3)CH=CH_2$
IA-1056	A1.2	CH_2CH_2CN	$CH(CH_3)CH=CH_2$
IA-1057	A1.2	CH_2CH_2Cl	$CH(CH_3)CH=CH_2$
IA-1058	A1.2	CH_2CH_2OH	$CH(CH_3)CH=CH_2$
IA-1059	A1.2	$CH_2CH_2CH_2OH$	$CH(CH_3)CH=CH_2$
IA-1060	A1.2	$CH_2CH(OH)CH_2OH$	$CH(CH_3)CH=CH_2$
IA-1061	A1.2	$CH_2CH(OCH_3)_2$	$CH(CH_3)CH=CH_2$

No.	A	R^e	R^f
IA-1062	A1.2	CH_2SCH_3	$CH(CH_3)CH=CH_2$
IA-1063	A1.2	$(CH_2)_3SCH_3$	$CH(CH_3)CH=CH_2$
IA-1064	A1.2	$CH_2S(=O)CH_3$	$CH(CH_3)CH=CH_2$
IA-1065	A1.2	$CH_2S(=O)_2CH_3$	$CH(CH_3)CH=CH_2$
IA-1066	A1.2	$CH_2C(=O)CH_3$	$CH(CH_3)CH=CH_2$
IA-1067	A1.2	$CH_2C(=O)CH_2CH_3$	$CH(CH_3)CH=CH_2$
IA-1068	A1.2	CH_2COOH	$CH(CH_3)CH=CH_2$
IA-1069	A1.2	CH_2COOCH_3	$CH(CH_3)CH=CH_2$
IA-1070	A1.2	$CH_2COOCH_2CH_3$	$CH(CH_3)CH=CH_2$
IA-1071	A1.2	cyclo-C_3H_5	$CH(CH_3)CH=CH_2$
IA-1072	A1.2	cyclo-C_4H_7	$CH(CH_3)CH=CH_2$
IA-1073	A1.2	cyclo-C_5H_9	$CH(CH_3)CH=CH_2$
IA-1074	A1.2	cyclo-C_6H_{11}	$CH(CH_3)CH=CH_2$
IA-1075	A1.2	C_6H_5	$CH(CH_3)CH=CH_2$
IA-1076	A1.2	CHF_2	CHF_2
IA-1077	A1.2	CH_2Cl	CHF_2
IA-1078	A1.2	CH_2CH_2CN	CHF_2
IA-1079	A1.2	CH_2CH_2Cl	CHF_2
IA-1080	A1.2	CH_2CH_2OH	CHF_2
IA-1081	A1.2	$CH_2CH_2CH_2OH$	CHF_2
IA-1082	A1.2	$CH_2CH(OH)CH_2OH$	CHF_2
IA-1083	A1.2	$CH_2CH(OCH_3)_2$	CHF_2
IA-1084	A1.2	CH_2SCH_3	CHF_2
IA-1085	A1.2	$(CH_2)_3SCH_3$	CHF_2
IA-1086	A1.2	$CH_2S(=O)CH_3$	CHF_2
IA-1087	A1.2	$CH_2S(=O)_2CH_3$	CHF_2
IA-1088	A1.2	$CH_2C(=O)CH_3$	CHF_2
IA-1089	A1.2	$CH_2C(=O)CH_2CH_3$	CHF_2
IA-1090	A1.2	CH_2COOH	CHF_2
IA-1091	A1.2	CH_2COOCH_3	CHF_2
IA-1092	A1.2	$CH_2COOCH_2CH_3$	CHF_2
IA-1093	A1.2	cyclo-C_3H_5	CHF_2

No.	A	R^e	R^f
IA-1094	A1.2	cyclo-C_4H_7	CHF_2
IA-1095	A1.2	cyclo-C_5H_9	CHF_2
IA-1096	A1.2	cyclo-C_6H_{11}	CHF_2
IA-1097	A1.2	C_6H_5	CHF_2
IA-1098	A1.2	CH_2Cl	CH_2Cl
IA-1099	A1.2	CH_2CH_2CN	CH_2Cl
IA-1100	A1.2	CH_2CH_2Cl	CH_2Cl
IA-1101	A1.2	CH_2CH_2OH	CH_2Cl
IA-1102	A1.2	$CH_2CH_2CH_2OH$	CH_2Cl
IA-1103	A1.2	$CH_2CH(OH)CH_2OH$	CH_2Cl
IA-1104	A1.2	$CH_2CH(OCH_3)_2$	CH_2Cl
IA-1105	A1.2	CH_2SCH_3	CH_2Cl
IA-1106	A1.2	$(CH_2)_3SCH_3$	CH_2Cl
IA-1107	A1.2	$CH_2S(=O)CH_3$	CH_2Cl
IA-1108	A1.2	$CH_2S(=O)_2CH_3$	CH_2Cl
IA-1109	A1.2	$CH_2C(=O)CH_3$	CH_2Cl
IA-1110	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2Cl
IA-1111	A1.2	CH_2COOH	CH_2Cl
IA-1112	A1.2	CH_2COOCH_3	CH_2Cl
IA-1113	A1.2	$CH_2COOCH_2CH_3$	CH_2Cl
IA-1114	A1.2	cyclo-C_3H_5	CH_2Cl
IA-1115	A1.2	cyclo-C_4H_7	CH_2Cl
IA-1116	A1.2	cyclo-C_5H_9	CH_2Cl
IA-1117	A1.2	cyclo-C_6H_{11}	CH_2Cl
IA-1118	A1.2	C_6H_5	CH_2Cl
IA-1119	A1.2	CH_2CH_2CN	CH_2CH_2CN
IA-1120	A1.2	CH_2CH_2Cl	CH_2CH_2CN
IA-1121	A1.2	CH_2CH_2OH	CH_2CH_2CN
IA-1122	A1.2	$CH_2CH_2CH_2OH$	CH_2CH_2CN
IA-1123	A1.2	$CH_2CH(OH)CH_2OH$	CH_2CH_2CN
IA-1124	A1.2	$CH_2CH(OCH_3)_2$	CH_2CH_2CN
IA-1125	A1.2	CH_2SCH_3	CH_2CH_2CN

No.	A	R^e	R^f
IA-1126	A1.2	$(CH_2)_3SCH_3$	CH_2CH_2CN
IA-1127	A1.2	$CH_2S(=O)CH_3$	CH_2CH_2CN
IA-1128	A1.2	$CH_2S(=O)_2CH_3$	CH_2CH_2CN
IA-1129	A1.2	$CH_2C(=O)CH_3$	CH_2CH_2CN
IA-1130	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2CH_2CN
IA-1131	A1.2	CH_2COOH	CH_2CH_2CN
IA-1132	A1.2	CH_2COOCH_3	CH_2CH_2CN
IA-1133	A1.2	$CH_2COOCH_2CH_3$	CH_2CH_2CN
IA-1134	A1.2	cyclo-C_3H_5	CH_2CH_2CN
IA-1135	A1.2	cyclo-C_4H_7	CH_2CH_2CN
IA-1136	A1.2	cyclo-C_5H_9	CH_2CH_2CN
IA-1137	A1.2	cyclo-C_6H_{11}	CH_2CH_2CN
IA-1138	A1.2	C_6H_5	CH_2CH_2CN
IA-1139	A1.2	CH_2CH_2Cl	CH_2CH_2Cl
IA-1140	A1.2	CH_2CH_2OH	CH_2CH_2Cl
IA-1141	A1.2	$CH_2CH_2CH_2OH$	CH_2CH_2Cl
IA-1142	A1.2	$CH_2CH(OH)CH_2OH$	CH_2CH_2Cl
IA-1143	A1.2	$CH_2CH(OCH_3)_2$	CH_2CH_2Cl
IA-1144	A1.2	CH_2SCH_3	CH_2CH_2Cl
IA-1145	A1.2	$(CH_2)_3SCH_3$	CH_2CH_2Cl
IA-1146	A1.2	$CH_2S(=O)CH_3$	CH_2CH_2Cl
IA-1147	A1.2	$CH_2S(=O)_2CH_3$	CH_2CH_2Cl
IA-1148	A1.2	$CH_2C(=O)CH_3$	CH_2CH_2Cl
IA-1149	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2CH_2Cl
IA-1150	A1.2	CH_2COOH	CH_2CH_2Cl
IA-1151	A1.2	CH_2COOCH_3	CH_2CH_2Cl
IA-1152	A1.2	$CH_2COOCH_2CH_3$	CH_2CH_2Cl
IA-1153	A1.2	cyclo-C_3H_5	CH_2CH_2Cl
IA-1154	A1.2	cyclo-C_4H_7	CH_2CH_2Cl
IA-1155	A1.2	cyclo-C_5H_9	CH_2CH_2Cl
IA-1156	A1.2	cyclo-C_6H_{11}	CH_2CH_2Cl
IA-1157	A1.2	C_6H_5	CH_2CH_2Cl

No.	A	R^e	R^f
IA-1158	A1.2	CH_2CH_2OH	CH_2CH_2OH
IA-1159	A1.2	$CH_2CH_2CH_2OH$	CH_2CH_2OH
IA-1160	A1.2	$CH_2CH(OH)CH_2OH$	CH_2CH_2OH
IA-1161	A1.2	$CH_2CH(OCH_3)_2$	CH_2CH_2OH
IA-1162	A1.2	CH_2SCH_3	CH_2CH_2OH
IA-1163	A1.2	$(CH_2)_3SCH_3$	CH_2CH_2OH
IA-1164	A1.2	$CH_2S(=O)CH_3$	CH_2CH_2OH
IA-1165	A1.2	$CH_2S(=O)_2CH_3$	CH_2CH_2OH
IA-1166	A1.2	$CH_2C(=O)CH_3$	CH_2CH_2OH
IA-1167	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2CH_2OH
IA-1168	A1.2	CH_2COOH	CH_2CH_2OH
IA-1169	A1.2	CH_2COOCH_3	CH_2CH_2OH
IA-1170	A1.2	$CH_2COOCH_2CH_3$	CH_2CH_2OH
IA-1171	A1.2	cyclo-C_3H_5	CH_2CH_2OH
IA-1172	A1.2	cyclo-C_4H_7	CH_2CH_2OH
IA-1173	A1.2	cyclo-C_5H_9	CH_2CH_2OH
IA-1174	A1.2	cyclo-C_6H_{11}	CH_2CH_2OH
IA-1175	A1.2	C_6H_5	CH_2CH_2OH
IA-1176	A1.2	$CH_2CH_2CH_2OH$	$CH_2CH_2CH_2OH$
IA-1177	A1.2	$CH_2CH(OH)CH_2OH$	$CH_2CH_2CH_2OH$
IA-1178	A1.2	$CH_2CH(OCH_3)_2$	$CH_2CH_2CH_2OH$
IA-1179	A1.2	CH_2SCH_3	$CH_2CH_2CH_2OH$
IA-1180	A1.2	$(CH_2)_3SCH_3$	$CH_2CH_2CH_2OH$
IA-1181	A1.2	$CH_2S(=O)CH_3$	$CH_2CH_2CH_2OH$
IA-1182	A1.2	$CH_2S(=O)_2CH_3$	$CH_2CH_2CH_2OH$
IA-1183	A1.2	$CH_2C(=O)CH_3$	$CH_2CH_2CH_2OH$
IA-1184	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2CH_2CH_2OH$
IA-1185	A1.2	CH_2COOH	$CH_2CH_2CH_2OH$
IA-1186	A1.2	CH_2COOCH_3	$CH_2CH_2CH_2OH$
IA-1187	A1.2	$CH_2COOCH_2CH_3$	$CH_2CH_2CH_2OH$
IA-1188	A1.2	cyclo-C_3H_5	$CH_2CH_2CH_2OH$
IA-1189	A1.2	cyclo-C_4H_7	$CH_2CH_2CH_2OH$

No.	A	R^e	R^f
IA-1190	A1.2	cyclo-C_5H_9	$CH_2CH_2CH_2OH$
IA-1191	A1.2	cyclo-C_6H_{11}	$CH_2CH_2CH_2OH$
IA-1192	A1.2	C_6H_5	$CH_2CH_2CH_2OH$
IA-1193	A1.2	$CH_2CH(OH)CH_2OH$	$CH_2CH(OH)CH_2OH$
IA-1194	A1.2	$CH_2CH(OCH_3)_2$	$CH_2CH(OH)CH_2OH$
IA-1195	A1.2	CH_2SCH_3	$CH_2CH(OH)CH_2OH$
IA-1196	A1.2	$(CH_2)_3SCH_3$	$CH_2CH(OH)CH_2OH$
IA-1197	A1.2	$CH_2S(=O)CH_3$	$CH_2CH(OH)CH_2OH$
IA-1198	A1.2	$CH_2S(=O)_2CH_3$	$CH_2CH(OH)CH_2OH$
IA-1199	A1.2	$CH_2C(=O)CH_3$	$CH_2CH(OH)CH_2OH$
IA-1200	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2CH(OH)CH_2OH$
IA-1201	A1.2	CH_2COOH	$CH_2CH(OH)CH_2OH$
IA-1202	A1.2	CH_2COOCH_3	$CH_2CH(OH)CH_2OH$
IA-1203	A1.2	$CH_2COOCH_2CH_3$	$CH_2CH(OH)CH_2OH$
IA-1204	A1.2	cyclo-C_3H_5	$CH_2CH(OH)CH_2OH$
IA-1205	A1.2	cyclo-C_4H_7	$CH_2CH(OH)CH_2OH$
IA-1206	A1.2	cyclo-C_5H_9	$CH_2CH(OH)CH_2OH$
IA-1207	A1.2	cyclo-C_6H_{11}	$CH_2CH(OH)CH_2OH$
IA-1208	A1.2	C_6H_5	$CH_2CH(OH)CH_2OH$
IA-1209	A1.2	$CH_2CH(OCH_3)_2$	$CH_2CH(OCH_3)_2$
IA-1210	A1.2	CH_2SCH_3	$CH_2CH(OCH_3)_2$
IA-1211	A1.2	$(CH_2)_3SCH_3$	$CH_2CH(OCH_3)_2$
IA-1212	A1.2	$CH_2S(=O)CH_3$	$CH_2CH(OCH_3)_2$
IA-1213	A1.2	$CH_2S(=O)_2CH_3$	$CH_2CH(OCH_3)_2$
IA-1214	A1.2	$CH_2C(=O)CH_3$	$CH_2CH(OCH_3)_2$
IA-1215	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2CH(OCH_3)_2$
IA-1216	A1.2	CH_2COOH	$CH_2CH(OCH_3)_2$
IA-1217	A1.2	CH_2COOCH_3	$CH_2CH(OCH_3)_2$
IA-1218	A1.2	$CH_2COOCH_2CH_3$	$CH_2CH(OCH_3)_2$
IA-1219	A1.2	cyclo-C_3H_5	$CH_2CH(OCH_3)_2$
IA-1220	A1.2	cyclo-C_4H_7	$CH_2CH(OCH_3)_2$
IA-1221	A1.2	cyclo-C_5H_9	$CH_2CH(OCH_3)_2$

No.	A	R^e	R^f
IA-1222	A1.2	cyclo-C_6H_{11}	$CH_2CH(OCH_3)_2$
IA-1223	A1.2	C_6H_5	$CH_2CH(OCH_3)_2$
IA-1224	A1.2	CH_2SCH_3	CH_2SCH_3
IA-1225	A1.2	$(CH_2)_3SCH_3$	CH_2SCH_3
IA-1226	A1.2	$CH_2S(=O)CH_3$	CH_2SCH_3
IA-1227	A1.2	$CH_2S(=O)_2CH_3$	CH_2SCH_3
IA-1228	A1.2	$CH_2C(=O)CH_3$	CH_2SCH_3
IA-1229	A1.2	$CH_2C(=O)CH_2CH_3$	CH_2SCH_3
IA-1230	A1.2	CH_2COOH	CH_2SCH_3
IA-1231	A1.2	CH_2COOCH_3	CH_2SCH_3
IA-1232	A1.2	$CH_2COOCH_2CH_3$	CH_2SCH_3
IA-1233	A1.2	cyclo-C_3H_5	CH_2SCH_3
IA-1234	A1.2	cyclo-C_4H_7	CH_2SCH_3
IA-1235	A1.2	cyclo-C_5H_9	CH_2SCH_3
IA-1236	A1.2	cyclo-C_6H_{11}	CH_2SCH_3
IA-1237	A1.2	C_6H_5	CH_2SCH_3
IA-1238	A1.2	$(CH_2)_3SCH_3$	$(CH_2)_3SCH_3$
IA-1239	A1.2	$CH_2S(=O)CH_3$	$(CH_2)_3SCH_3$
IA-1240	A1.2	$CH_2S(=O)_2CH_3$	$(CH_2)_3SCH_3$
IA-1241	A1.2	$CH_2C(=O)CH_3$	$(CH_2)_3SCH_3$
IA-1242	A1.2	$CH_2C(=O)CH_2CH_3$	$(CH_2)_3SCH_3$
IA-1243	A1.2	CH_2COOH	$(CH_2)_3SCH_3$
IA-1244	A1.2	CH_2COOCH_3	$(CH_2)_3SCH_3$
IA-1245	A1.2	$CH_2COOCH_2CH_3$	$(CH_2)_3SCH_3$
IA-1246	A1.2	cyclo-C_3H_5	$(CH_2)_3SCH_3$
IA-1247	A1.2	cyclo-C_4H_7	$(CH_2)_3SCH_3$
IA-1248	A1.2	cyclo-C_5H_9	$(CH_2)_3SCH_3$
IA-1249	A1.2	cyclo-C_6H_{11}	$(CH_2)_3SCH_3$
IA-1250	A1.2	C_6H_5	$(CH_2)_3SCH_3$
IA-1251	A1.2	$CH_2S(=O)CH_3$	$CH_2S(=O)CH_3$
IA-1252	A1.2	$CH_2S(=O)_2CH_3$	$CH_2S(=O)CH_3$
IA-1253	A1.2	$CH_2C(=O)CH_3$	$CH_2S(=O)CH_3$

No.	A	R^e	R^f
IA-1254	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2S(=O)CH_3$
IA-1255	A1.2	CH_2COOH	$CH_2S(=O)CH_3$
IA-1256	A1.2	CH_2COOCH_3	$CH_2S(=O)CH_3$
IA-1257	A1.2	$CH_2COOCH_2CH_3$	$CH_2S(=O)CH_3$
IA-1258	A1.2	cyclo-C_3H_5	$CH_2S(=O)CH_3$
IA-1259	A1.2	cyclo-C_4H_7	$CH_2S(=O)CH_3$
IA-1260	A1.2	cyclo-C_5H_9	$CH_2S(=O)CH_3$
IA-1261	A1.2	cyclo-C_6H_{11}	$CH_2S(=O)CH_3$
IA-1262	A1.2	C_6H_5	$CH_2S(=O)CH_3$
IA-1263	A1.2	$CH_2S(=O)_2CH_3$	$CH_2S(=O)_2CH_3$
IA-1264	A1.2	$CH_2C(=O)CH_3$	$CH_2S(=O)_2CH_3$
IA-1265	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2S(=O)_2CH_3$
IA-1266	A1.2	CH_2COOH	$CH_2S(=O)_2CH_3$
IA-1267	A1.2	CH_2COOCH_3	$CH_2S(=O)_2CH_3$
IA-1268	A1.2	$CH_2COOCH_2CH_3$	$CH_2S(=O)_2CH_3$
IA-1269	A1.2	cyclo-C_3H_5	$CH_2S(=O)_2CH_3$
IA-1270	A1.2	cyclo-C_4H_7	$CH_2S(=O)_2CH_3$
IA-1271	A1.2	cyclo-C_5H_9	$CH_2S(=O)_2CH_3$
IA-1272	A1.2	cyclo-C_6H_{11}	$CH_2S(=O)_2CH_3$
IA-1273	A1.2	C_6H_5	$CH_2S(=O)_2CH_3$
IA-1274	A1.2	$CH_2C(=O)CH_3$	$CH_2C(=O)CH_3$
IA-1275	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2C(=O)CH_3$
IA-1276	A1.2	CH_2COOH	$CH_2C(=O)CH_3$
IA-1277	A1.2	CH_2COOCH_3	$CH_2C(=O)CH_3$
IA-1278	A1.2	$CH_2COOCH_2CH_3$	$CH_2C(=O)CH_3$
IA-1279	A1.2	cyclo-C_3H_5	$CH_2C(=O)CH_3$
IA-1280	A1.2	cyclo-C_4H_7	$CH_2C(=O)CH_3$
IA-1281	A1.2	cyclo-C_5H_9	$CH_2C(=O)CH_3$
IA-1282	A1.2	cyclo-C_6H_{11}	$CH_2C(=O)CH_3$
IA-1283	A1.2	C_6H_5	$CH_2C(=O)CH_3$
IA-1284	A1.2	$CH_2C(=O)CH_2CH_3$	$CH_2C(=O)CH_2CH_3$
IA-1285	A1.2	CH_2COOH	$CH_2C(=O)CH_2CH_3$

No.	A	R^e	R^f
IA-1286	A1.2	CH_2COOCH_3	$CH_2C(=O)CH_2CH_3$
IA-1287	A1.2	$CH_2COOCH_2CH_3$	$CH_2C(=O)CH_2CH_3$
IA-1288	A1.2	cyclo-C_3H_5	$CH_2C(=O)CH_2CH_3$
IA-1289	A1.2	cyclo-C_4H_7	$CH_2C(=O)CH_2CH_3$
IA-1290	A1.2	cyclo-C_5H_9	$CH_2C(=O)CH_2CH_3$
IA-1291	A1.2	cyclo-C_6H_{11}	$CH_2C(=O)CH_2CH_3$
IA-1292	A1.2	C_6H_5	$CH_2C(=O)CH_2CH_3$
IA-1293	A1.2	CH_2COOH	CH_2COOH
IA-1294	A1.2	CH_2COOCH_3	CH_2COOH
IA-1295	A1.2	$CH_2COOCH_2CH_3$	CH_2COOH
IA-1296	A1.2	cyclo-C_3H_5	CH_2COOH
IA-1297	A1.2	cyclo-C_4H_7	CH_2COOH
IA-1298	A1.2	cyclo-C_5H_9	CH_2COOH
IA-1299	A1.2	cyclo-C_6H_{11}	CH_2COOH
IA-1300	A1.2	C_6H_5	CH_2COOH
IA-1301	A1.2	CH_2COOCH_3	CH_2COOCH_3
IA-1302	A1.2	$CH_2COOCH_2CH_3$	CH_2COOCH_3
IA-1303	A1.2	cyclo-C_3H_5	CH_2COOCH_3
IA-1304	A1.2	cyclo-C_4H_7	CH_2COOCH_3
IA-1305	A1.2	cyclo-C_5H_9	CH_2COOCH_3
IA-1306	A1.2	cyclo-C_6H_{11}	CH_2COOCH_3
IA-1307	A1.2	C_6H_5	CH_2COOCH_3
IA-1308	A1.2	$CH_2COOCH_2CH_3$	$CH_2COOCH_2CH_3$
IA-1309	A1.2	cyclo-C_3H_5	$CH_2COOCH_2CH_3$
IA-1310	A1.2	cyclo-C_4H_7	$CH_2COOCH_2CH_3$
IA-1311	A1.2	cyclo-C_5H_9	$CH_2COOCH_2CH_3$
IA-1312	A1.2	cyclo-C_6H_{11}	$CH_2COOCH_2CH_3$
IA-1313	A1.2	C_6H_5	$CH_2COOCH_2CH_3$
IA-1314	A1.2	cyclo-C_3H_5	cyclo-C_3H_5
IA-1315	A1.2	cyclo-C_4H_7	cyclo-C_3H_5
IA-1316	A1.2	cyclo-C_5H_9	cyclo-C_3H_5
IA-1317	A1.2	cyclo-C_6H_{11}	cyclo-C_3H_5

No.	A	R^e	R^f
IA-1318	A1.2	C_6H_5	cyclo-C_3H_5
IA-1319	A1.2	cyclo-C_4H_7	cyclo-C_4H_7
IA-1320	A1.2	cyclo-C_5H_9	cyclo-C_4H_7
IA-1321	A1.2	cyclo-C_6H_{11}	cyclo-C_4H_7
IA-1322	A1.2	C_6H_5	cyclo-C_4H_7
IA-1323	A1.2	cyclo-C_5H_9	cyclo-C_5H_9
IA-1324	A1.2	cyclo-C_6H_{11}	cyclo-C_5H_9
IA-1325	A1.2	C_6H_5	cyclo-C_5H_9
IA-1326	A1.2	cyclo-C_6H_{11}	cyclo-C_6H_{11}
IA-1327	A1.2	C_6H_5	cyclo-C_6H_{11}
IA-1328	A1.2	C_6H_5	C_6H_5

Table 883

Compounds of the formula IA (as defined above) wherein Q^1 denotes hydrogen, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 884

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 885

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 886

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 887

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 888

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 889

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 890

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 891

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 892

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 893

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 894

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 895

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 896

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 897

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 898

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 899

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 900
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 901
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 902
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 903
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 904
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 905
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 906
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 907
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 908
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 909
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 910
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 911
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 912
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 913
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 914
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 915
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 916
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 917
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 918
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 919
Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 920

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 921

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 922

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 923

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 924

Compounds of the formula IA wherein Q^1 denotes hydrogen, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 925

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 926

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 927

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 928

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 929

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 930

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 931
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 932
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 933
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 934
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 935
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 936
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 937
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 938
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 939
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 940
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 941

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 942

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 943

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 944

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 945

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 946

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 947

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 948

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 949

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 950

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 951

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 952
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 953
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 954
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 955
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 956
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 957
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 958
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 959
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 960
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 961
Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 962

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 963

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 964

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 965

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 966

Compounds of the formula IA wherein Q^1 denotes chlorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 967

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 968

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 969

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 970

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 971

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 972

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 973
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 974
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 975
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 976
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 977
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 978
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 979
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 980
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 981
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 982
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 983

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 984

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 985

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 986

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 987

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 988

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 989

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 990

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 991

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 992

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 993

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 994
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 995
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 996
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 997
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 998
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 999
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 1000
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 1001
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1002
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1003
Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 1004

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1005

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1006

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1007

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 1008

Compounds of the formula IA wherein Q^1 denotes bromine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1009

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 1010

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 1011

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 1012

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 1013

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 1014

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 1015
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 1016
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1017
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1018
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 1019
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 1020
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1021
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 1022
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1023
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 1024
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1025

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1026

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1027

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1028

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1029

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1030

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 1031

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1032

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1033

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 1034

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1035

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 1036
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1037
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1038
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 1039
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 1040
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 1041
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 1042
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 1043
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1044
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1045
Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 1046

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1047

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1048

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1049

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 1050

Compounds of the formula IA wherein Q^1 denotes fluorine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1051

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 1052

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 1053

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 1054

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 1055

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 1056

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 1057
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 1058
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1059
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1060
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 1061
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 1062
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1063
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 1064
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1065
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 1066
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1067

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1068

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1069

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1070

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1071

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1072

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 1073

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1074

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1075

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 1076

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1077

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 1078
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1079
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1080
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 1081
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 1082
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 1083
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 1084
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 1085
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1086
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1087
Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 1088

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1089

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1090

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1091

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 1092

Compounds of the formula IA wherein Q^1 denotes iodine, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1093

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 1094

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 1095

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 1096

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 1097

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 1098

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 1099
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 1100
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1101
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1102
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 1103
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 1104
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1105
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 1106
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1107
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 1108
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1109

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1110

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1111

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1112

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1113

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1114

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 1115

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1116

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1117

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 1118

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1119

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 1120
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1121
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1122
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 1123
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 1124
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 1125
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 1126
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 1127
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1128
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1129
Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 1130

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1131

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1132

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1133

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 1134

Compounds of the formula IA wherein Q^1 denotes cyano, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1135

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CF_3, and A in each case corresponds to a radical of Table D.

Table 1136

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes bromine, and A in each case corresponds to a radical of Table D.

Table 1137

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes chlorine, and A in each case corresponds to a radical of Table D.

Table 1138

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_3, and A in each case corresponds to a radical of Table D.

Table 1139

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_3, and A in each case corresponds to a radical of Table D.

Table 1140

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCHCH_2$, and A in each case corresponds to a radical of Table D.

Table 1141
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes ethoxy, and A in each case corresponds to a radical of Table D.

Table 1142
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CHFOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1143
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1144
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CCH, and A in each case corresponds to a radical of Table D.

Table 1145
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCH_3, and A in each case corresponds to a radical of Table D.

Table 1146
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2OCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1147
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2SCH_3, and A in each case corresponds to a radical of Table D.

Table 1148
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2SCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1149
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_3$, and A in each case corresponds to a radical of Table D.

Table 1150
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1151

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1152

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1153

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1154

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1155

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1156

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $-OS(=O)_2CClF_2$, and A in each case corresponds to a radical of Table D.

Table 1157

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1158

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHCH_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1159

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2-cyclopropyl, and A in each case corresponds to a radical of Table D.

Table 1160

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2C(Cl)=CH_2$, and A in each case corresponds to a radical of Table D.

Table 1161

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $OCH_2CH=CF_2$, and A in each case corresponds to a radical of Table D.

Table 1162
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHS(=O)_2CF_3$, and A in each case corresponds to a radical of Table D.

Table 1163
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $NHC(=O)CF_3$, and A in each case corresponds to a radical of Table D.

Table 1164
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2CN, and A in each case corresponds to a radical of Table D.

Table 1165
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes OCH_2NO_2, and A in each case corresponds to a radical of Table D.

Table 1166
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes cyclopropyloxy, and A in each case corresponds to a radical of Table D.

Table 1167
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes CH_2OCHF_2, and A in each case corresponds to a radical of Table D.

Table 1168
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH_2S(=O)_2CHF_2$, and A in each case corresponds to a radical of Table D.

Table 1169
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1170
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

Table 1171
Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOCH(CH_3)_2$ and A in each case corresponds to a radical of Table D.

Table 1172

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $CH=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table 1173

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_3$, and A in each case corresponds to a radical of Table D.

Table 1174

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH_2CH_3$, and A in each case corresponds to a radical of Table D.

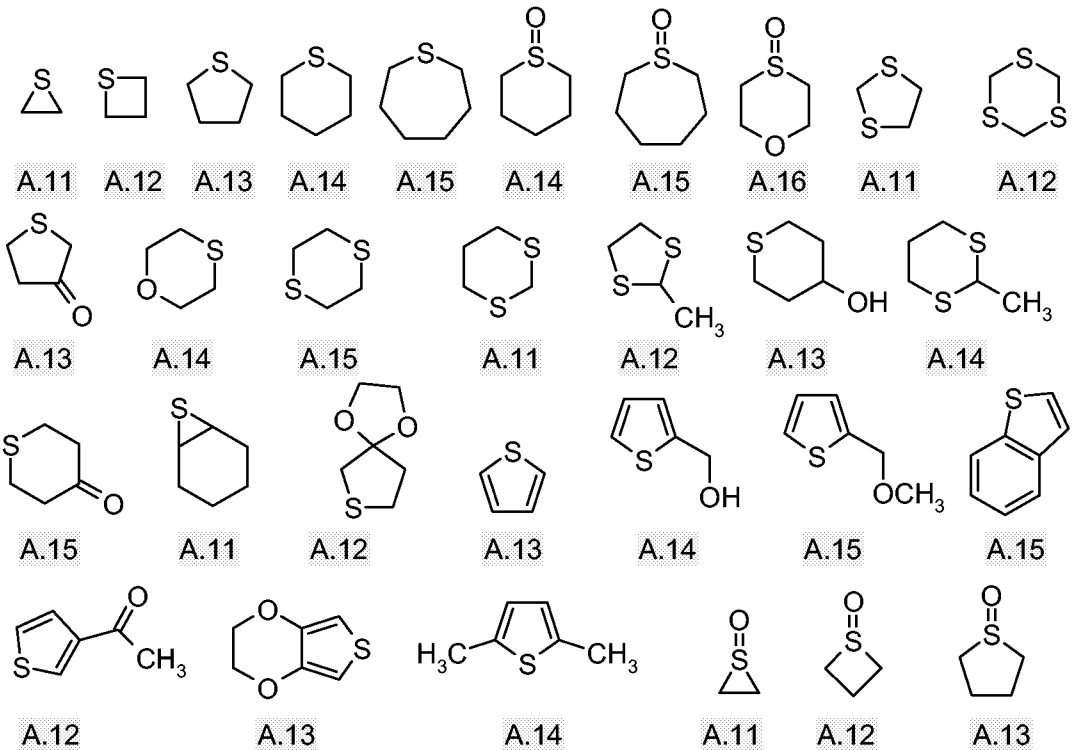
Table 1175

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOCH(CH_3)_2$, and A in each case corresponds to a radical of Table D.

Table 1176

Compounds of the formula IA wherein Q^1 denotes methyl, Q^3 denotes $C(CH_3)=NOC(CH_3)_3$, and A in each case corresponds to a radical of Table D.

Table D: selected radicals A



The compounds of the formula I are especially suitable for efficiently combating the following pests:

insects from the order of the lepidopterans (*Lepidoptera*), for example *Agrotis ypsilon, Agrotis segetum, Alabama argillacea, Anticarsia gemmatalis, Argyresthia conjugella, Autographa gamma, Bupalus piniarius, Cacoecia murinana, Capua reticulana, Cheimatobia brumata, Choristoneura fumiferana, Choristoneura occidentalis, Cirphis unipuncta, Cydia pomonella, Dendrolimus pini, Diaphania nitidalis, Diatraea grandiosella, Earias insulana, Elasmopalpus lignosellus, Eupoecilia ambiguella, Evetria bouliana, Feltia subterranea, Galleria mellonella, Grapholitha funebrana, Grapholitha molesta, Heliothis armigera, Heliothis virescens, Heliothis zea, Hellula undalis, Hibernia defoliaria, Hyphantria cunea, Hyponomeuta malinellus, Keiferia lycopersicella, Lambdina fiscellaria, Laphygma exigua, Leucoptera coffeella, Leucoptera scitella, Lithocolletis blancardella, Lobesia botrana, Loxostege sticticalis, Lymantria dispar, Lymantria monacha, Lyonetia clerkella, Malacosoma neustria, Mamestra brassicae, Orgyia pseudotsugata, Ostrinia nubilalis, Panolis flammea, Pectinophora gossypiella, Peridroma saucia, Phalera bucephala, Phthorimaea operculella, Phyllocnistis citrella, Pieris brassicae, Plathypena scabra, Plutella xylostella, Pseudoplusia includens, Rhyacionia frustrana, Scrobipalpula absoluta, Sitotroga cerealella, Sparganothis pilleriana, Spodoptera frugiperda, Spodoptera littoralis, Spodoptera litura, Thaumatopoea pityocampa, Tortrix viridana, Trichoplusia ni* and *Zeiraphera canadensis*,

beetles (*Coleoptera*), for example *Agrilus sinuatus, Agriotes lineatus, Agriotes obscurus, Amphimallus solstitialis, Anisandrus dispar, Anthonomus grandis, Anthonomus pomorum, Aphthona euphoridae, Athous haemorrhoidalis, Atomaria linearis, Blastophagus piniperda, Blitophaga undata, Bruchus rufimanus, Bruchus pisorum, Bruchus lentis, Byctiscus betulae, Cassida nebulosa, Cerotoma trifurcata, Cetonia aurata, Ceuthorrhynchus assimilis, Ceuthorrhynchus napi, Chaetocnema tibialis, Conoderus vespertinus, Crioceris asparagi, Ctenicera ssp., Diabrotica longicornis, Diabrotica semipunctata, Diabrotica 12-punctata Diabrotica speciosa, Diabrotica virgifera, Epilachna varivestis, Epitrix hirtipennis, Eutinobothrus brasiliensis, Hylobius abietis, Hypera brunneipennis, Hypera postica, Ips typographus, Lema bilineata, Lema melanopus, Leptinotarsa decemlineata, Limonius californicus, Lissorhoptrus oryzophilus, Melanotus communis, Meligethes aeneus, Melolontha hippocastani, Melolontha melolontha, Oulema oryzae, Ortiorrhynchus sulcatus, Otiorrhynchus ovatus, Phaedon cochleariae, Phyllobius pyri, Phyllotreta chrysocephala, Phyllophaga sp., Phyllopertha horticola, Phyllotreta nemorum, Phyllotreta striolata, Popillia japonica, Sitona lineatus* and *Sitophilus granaria*,

flies, mosquitoes (Diptera), e.g. *Aedes aegypti, Aedes albopictus, Aedes vexans, Anastrepha ludens, Anopheles maculipennis, Anopheles crucians, Anopheles albimanus, Anopheles gambiae, Anopheles freeborni, Anopheles leucosphyrus, Anopheles mini-*

mus, Anopheles quadrimaculatus, *Calliphora vicina, Ceratitis capitata, Chrysomya bezziana, Chrysomya hominivorax, Chrysomya macellaria, Chrysops discalis, Chrysops silacea, Chrysops atlanticus, Cochliomyia hominivorax, Contarinia sorghicola Cordylobia anthropophaga, Culicoides furens, Culex pipiens, Culex nigripalpus, Culex quinquefasciatus*, *Culex tarsalis, Culiseta inornata, Culiseta melanura*, *Dacus cucurbitae, Dacus oleae, Dasineura brassicae, Delia antique, Delia coarctata, Delia platura, Delia radicum, Dermatobia hominis, Fannia canicularis, Geomyza Tripunctata, Gasterophilus intestinalis, Glossina morsitans, Glossina palpalis, Glossina fuscipes, Glossina tachinoides, Haematobia irritans, Haplodiplosis equestris, Hippelates spp., Hylemyia platura, Hypoderma lineata, Leptoconops torrens, Liriomyza sativae, Liriomyza trifolii, Lucilia caprina, Lucilia cuprina, Lucilia sericata, Lycoria pectoralis, Mansonia titillanus*, *Mayetiola destructor, Musca domestica, Muscina stabulans, Oestrus ovis, Opomyza florum, Oscinella frit, Pegomya hysocyami, Phorbia antiqua, Phorbia brassicae, Phorbia coarctata*, *Phlebotomus argentipes, Psorophora columbiae, Psila rosae, Psorophora discolor, Prosimulium mixtum*, *Rhagoletis cerasi, Rhagoletis pomonella, Sarcophaga haemorrhoidalis*, *Sarcophaga sp., Simulium vittatum, Stomoxys calcitrans, Tabanus bovinus, Tabanus atratus, Tabanus lineola,* and *Tabanus similis, Tipula oleracea*, and *Tipula paludosa*

thrips (*Thysanoptera*), e.g. *Dichromothrips corbetti, Dichromothrips ssp , Frankliniella fusca, Frankliniella occidentalis, Frankliniella tritici, Scirtothrips citri, Thrips oryzae, Thrips palmi* and *Thrips tabaci*,

termites (Isoptera), e.g. *Calotermes flavicollis, Leucotermes flavipes, Heterotermes aureus, Reticulitermes flavipes, Reticulitermes virginicus, Reticulitermes lucifugus*, *Termes natalensis*, and *Coptotermes formosanus,*

cockroaches (Blattaria - Blattodea), e.g. Blattella germanica, Blattella asahinae, Periplaneta americana, Periplaneta japonica, Periplaneta brunnea, Periplaneta fuligginosa, Periplaneta australasiae, and Blatta orientalis,

true bugs (*Hemiptera*), e.g. *Acrosternum hilare, Blissus leucopterus, Cyrtopeltis notatus, Dysdercus cingulatus, Dysdercus intermedius, Eurygaster integriceps, Euschistus impictiventris, Leptoglossus phyllopus, Lygus lineolaris, Lygus pratensis, Nezara viridula, Piesma quadrata, Solubea insularis , Thyanta perditor, Acyrthosiphon onobrychis, Adelges laricis, Aphidula nasturtii, Aphis fabae, Aphis forbesi, Aphis pomi, Aphis gossypii, Aphis grossulariae, Aphis schneideri, Aphis spiraecola, Aphis sambuci, Acyrthosiphon pisum, Aulacorthum solani, Bemisia argentifolii, Brachycaudus cardui, Brachycaudus helichrysi, Brachycaudus persicae, Brachycaudus prunicola, Brevicoryne brassicae, Capitophorus horni, Cerosipha gossypii, Chaetosiphon fragaefolii, Cryptomyzus ribis, Dreyfusia nordmannianae, Dreyfusia piceae, Dysaphis radicola, Dysaulacorthum pseudosolani, Dysaphis plantaginea, Dysaphis pyri, Empoasca fabae, Hyalopterus*

pruni, Hyperomyzus lactucae, Macrosiphum avenae, Macrosiphum euphorbiae, Macrosiphon rosae, Megoura viciae, Melanaphis pyrarius, Metopolophium dirhodum, Myzus persicae, Myzus ascalonicus, Myzus cerasi, Myzus varians, Nasonovia ribis-nigri, Nilaparvata lugens, Pemphigus bursarius, Perkinsiella saccharicida, Phorodon humuli, Psylla mali, Psylla piri, Rhopalomyzus ascalonicus, Rhopalosiphum maidis, Rhopalosiphum padi, Rhopalosiphum insertum, Sappaphis mala, Sappaphis mali, Schizaphis graminum, Schizoneura lanuginosa, Sitobion avenae, Trialeurodes vaporariorum, Toxoptera aurantiiand, Viteus vitifolii, Cimex lectularius, Cimex hemipterus, Reduvius senilis, Triatoma spp., and *Arilus critatus*.

ants, bees, wasps, sawflies (Hymenoptera), e.g. *Athalia rosae, Atta cephalotes, Atta capiguara, Atta cephalotes, Atta laevigata, Atta robusta, Atta sexdens, Atta texana, Crematogaster spp., Hoplocampa minuta, Hoplocampa testudinea, Monomorium pharaonis, Solenopsis geminata, Solenopsis invicta, Solenopsis richteri, Solenopsis xyloni, Pogonomyrmex barbatus, Pogonomyrmex californicus, Pheidole megacephala, Dasymutilla occidentalis, Bombus* spp. *Vespula squamosa, Paravespula vulgaris, Paravespula pennsylvanica, Paravespula germanica, Dolichovespula maculata, Vespa crabro, Polistes rubiginosa, Camponotus floridanus,* and *Linepithema humile,*

crickets, grasshoppers, locusts (Orthoptera), e.g. *Acheta domestica, Gryllotalpa gryllotalpa, Locusta migratoria, Melanoplus bivittatus, Melanoplus femurrubrum, Melanoplus mexicanus, Melanoplus sanguinipes, Melanoplus spretus, Nomadacris septemfasciata, Schistocerca americana, Schistocerca gregaria, Dociostaurus maroccanus, Tachycines asynamorus, Oedaleus senegalensis, Zonozerus variegatus, Hieroglyphus daganensis, Kraussaria angulifera, Calliptamus italicus, Chortoicetes terminifera,* and *Locustana pardalina,*

Arachnoidea, such as arachnids (Acarina), e.g. of the families Argasidae, Ixodidae and Sarcoptidae, such as *Amblyomma americanum, Amblyomma variegatum, Ambryomma maculatum, Argas persicus, Boophilus annulatus, Boophilus decoloratus, Boophilus microplus, Dermacentor silvarum, Dermacentor andersoni, Dermacentor variabilis, Hyalomma truncatum, Ixodes ricinus, Ixodes rubicundus, Ixodes scapularis, Ixodes holocyclus, Ixodes pacificus, Ornithodorus moubata, Ornithodorus hermsi, Ornithodorus turicata, Ornithonyssus bacoti, Otobius megnini, Dermanyssus gallinae, Psoroptes ovis, Rhipicephalus sanguineus, Rhipicephalus appendiculatus, Rhipicephalus evertsi, Sarcoptes scabiei*, and Eriophyidae spp. such as *Aculus schlechtendali, Phyllocoptrata oleivora* and *Eriophyes sheldoni*; Tarsonemidae spp. such as *Phytonemus pallidus and Polyphagotarsonemus latus*; Tenuipalpidae spp. such as *Brevipalpus phoenicis*; Tetranychidae spp. such as *Tetranychus cinnabarinus, Tetranychus kanzawai, Tetranychus pacificus, Tetranychus telarius* and *Tetranychus* urticae, Panonychus ulmi, Panonychus citri, and *Oligonychus pratensis*; Araneida, e.g. *Latrodectus mactans*, and *Loxosceles reclusa*,

fleas (Siphonaptera), e.g. *Ctenocephalides felis*, *Ctenocephalides canis, Xenopsylla cheopis*, *Pulex irritans*, *Tunga penetrans*, and *Nosopsyllus fasciatus,*

silverfish, firebrat (Thysanura), e.g. *Lepisma saccharina* and *Thermobia domestica,*

centipedes (Chilopoda), e.g. *Scutigera coleoptrata*,

millipedes (Diplopoda), e.g. *Narceus spp.*,

Earwigs (Dermaptera*),* e.g. *forficula auricularia*,

lice (Phthiraptera), e.g. *Pediculus humanus capitis, Pediculus humanus corporis, Pthirus pubis*, *Haematopinus eurysternus*, *Haematopinus suis*, *Linognathus vituli, Bovicola bovis, Menopon gallinae, Menacanthus stramineus* and *Solenopotes capillatus,*

Plant parasitic nematodes such as root-knot nematodes*, Meloidogyne arenaria, Meloidogyne chitwoodi, Meloidogyne exigua, Meloidogyne hapla, Meloidogyne incognita, Meloidogyne javanica* and other *Meloidogyne species;* cyst nematodes, *Globodera rostochiensis, Globodera pallida, Globodera tabacum* and other *Globodera species, Heterodera avenae, Heterodera glycines, Heterodera schachtii, Heterodera trifolii,* and other *Heterodera species;* seed gall nematodes*, Anguina funesta, Anguina tritici* and other *Anguina species;* stem and foliar nematodes*, Aphelenchoides besseyi, Aphelenchoides fragariae, Aphelenchoides ritzemabosi* and other *Aphelenchoides species;* sting nematodes*, Belonolaimus longicaudatus* and other *Belonolaimus species;* pine nematodes*, Bursaphelenchus xylophilus* and other *Bursaphelenchus species*; ring nematodes, *Criconema species, Criconemella species, Criconemoides species,* and *Mesocriconema species;* stem and bulb nematodes*, Ditylenchus destructor, Ditylenchus dipsaci, Ditylenchus myceliophagus* and other *Ditylenchus species;* awl nematodes*, Dolichodorus species;* spiral nematodes*, Helicotylenchus dihystera, Helicotylenchus multicinctus* and other *Helicotylenchus species, Rotylenchus robustus* and other *Rotylenchus species*; sheath nematodes*, Hemicycliophora species and Hemicriconemoides species; Hirshmanniella species;* lance nematodes*, Hoplolaimus columbus, Hoplolaimus galeatus* and other *Hoplolaimus species*; false root-knot nematodes*, Nacobbus aberrans* and other *Nacobbus species;* needle nematodes*, Longidorus elongates* and other *Longidorus species;* pin nematodes*, Paratylenchus species;* lesion nematodes*, Pratylenchus brachyurus, Pratylenchus coffeae, Pratylenchus curvitatus, Pratylenchus goodeyi, Pratylencus neglectus, Pratylenchus penetrans, Pratylenchus scribneri, Pratylenchus vulnus, Pratylenchus zeae* and other *Pratylenchus species; Radinaphelenchus cocophilus* and other *Radinaphelenchus species*; burrowing nematodes*, Radopholus similis* and other *Radopholus species;* reniform nematodes*, Rotylenchulus reniformis* and other *Rotylenchulus species; Scutellonema species;* stubby root nematodes, *Trichodorus primitivus* and other *Trichodorus species; Paratrichodorus minor and*

other Paratrichodorus species; stunt nematodes, *Tylenchorhynchus claytoni, Tylenchorhynchus dubius* and other *Tylenchorhynchus species* and *Merlinius species;* citrus nematodes, *Tylenchulus semipenetrans* and other *Tylenchulus species;* dagger nematodes, *Xiphinema americanum, Xiphinema index, Xiphinema diversicaudatum* and other *Xiphinema species*; and other plant parasitic nematode species.

The formulations are prepared in a known manner (see e.g. for review US 3,060,084, EP-A 707 445 (for liquid concentrates), Browning, "Agglomeration", Chemical Engineering, Dec. 4, 1967, 147-48, Perry's Chemical Engineer's Handbook, 4th Ed., McGraw-Hill, New York, 1963, pages 8-57 and et seq. WO 91/13546, US 4,172,714, US 4,144,050, US 3,920,442, US 5,180,587, US 5,232,701, US 5,208,030, GB 2,095,558, US 3,299,566, Klingman, Weed Control as a Science, John Wiley and Sons, Inc., New York, 1961, Hance et al., Weed Control Handbook, 8th Ed., Blackwell Scientific Publications, Oxford, 1989 and Mollet, H., Grubemann, A., Formulation technology, Wiley VCH Verlag GmbH, Weinheim (Germany), 2001, 2. D. A. Knowles, Chemistry and Technology of Agrochemical Formulations, Kluwer Academic Publishers, Dordrecht, 1998 (ISBN 0-7514-0443-8), for example by extending the active compound with auxiliaries suitable for the formulation of agrochemicals, such as solvents and/or carriers, if desired emulsifiers, surfactants and dispersants, preservatives, antifoaming agents, anti-freezing agents, for seed treatment formulation also optionally colorants and binders.

Examples of suitable solvents are water, aromatic solvents (for example Solvesso products, xylene), paraffins (for example mineral oil fractions), alcohols (for example methanol, butanol, pentanol, benzyl alcohol), ketones (for example cyclohexanone, gamma-butyrolactone), pyrrolidones (NMP, NOP), acetates (glycol diacetate), glycols, fatty acid dimethylamides, fatty acids and fatty acid esters. In principle, solvent mixtures may also be used.

Examples of suitable carriers are ground natural minerals (for example kaolins, clays, talc, chalk) and ground synthetic minerals (for example highly disperse silica, silicates).

Suitable emulsifiers are nonionic and anionic emulsifiers (for example polyoxyethylene fatty alcohol ethers, alkylsulfonates and arylsulfonates).

Examples of dispersants are lignin-sulfite waste liquors and methylcellulose.

Suitable surfactants used are alkali metal, alkaline earth metal and ammonium salts of lignosulfonic acid, naphthalenesulfonic acid, phenolsulfonic acid, dibutylnaphthalenesulfonic acid, alkylarylsulfonates, alkyl sulfates, alkylsulfonates, fatty alcohol sulfates, fatty acids and sulfated fatty alcohol glycol ethers, furthermore condensates of sulfonated naphthalene and naphthalene derivatives with formaldehyde, condensates of

naphthalene or of naphthalenesulfonic acid with phenol and formaldehyde, polyoxyethylene octylphenol ether, ethoxylated isooctylphenol, octylphenol, nonylphenol, alkylphenol polyglycol ethers, tributylphenyl polyglycol ether, tristearylphenyl polyglycol ether, alkylaryl polyether alcohols, alcohol and fatty alcohol ethylene oxide condensates, ethoxylated castor oil, polyoxyethylene alkyl ethers, ethoxylated polyoxypropylene, lauryl alcohol polyglycol ether acetal, sorbitol esters, lignosulfite waste liquors and methylcellulose.

Substances which are suitable for the preparation of directly sprayable solutions, emulsions, pastes or oil dispersions are mineral oil fractions of medium to high boiling point, such as kerosene or diesel oil, furthermore coal tar oils and oils of vegetable or animal origin, aliphatic, cyclic and aromatic hydrocarbons, for example toluene, xylene, paraffin, tetrahydronaphthalene, alkylated naphthalenes or their derivatives, methanol, ethanol, propanol, butanol, cyclohexanol, cyclohexanone, isophorone, highly polar solvents, for example dimethyl sulfoxide, N-methylpyrrolidone or water.

Also anti-freezing agents such as glycerin, ethylene glycol, propylene glycol and bactericides such as can be added to the formulation.

Suitable antifoaming agents are for example antifoaming agents based on silicon or magnesium stearate.

Powders, materials for spreading and dustable products can be prepared by mixing or concomitantly grinding the active substances with a solid carrier.

Granules, for example coated granules, impregnated granules and homogeneous granules, can be prepared by binding the active compounds to solid carriers. Examples of solid carriers are mineral earths such as silica gels, silicates, talc, kaolin, attaclay, limestone, lime, chalk, bole, loess, clay, dolomite, diatomaceous earth, calcium sulfate, magnesium sulfate, magnesium oxide, ground synthetic materials, fertilizers, such as, for example, ammonium sulfate, ammonium phosphate, ammonium nitrate, ureas, and products of vegetable origin, such as cereal meal, tree bark meal, wood meal and nutshell meal, cellulose powders and other solid carriers.

In general, the formulations comprise from 0.01 to 95% by weight, preferably from 0.1 to 90% by weight, of the active compound(s). In this case, the active compound(s) are employed in a purity of from 90% to 100% by weight, preferably 95% to 100% by weight (according to NMR spectrum).

The compounds of formula I can be used as such, in the form of their formulations or the use forms prepared therefrom, for example in the form of directly sprayable solutions, powders, suspensions or dispersions, emulsions, oil dispersions, pastes, dusta-

ble products, materials for spreading, or granules, by means of spraying, atomizing, dusting, spreading or pouring. The use forms depend entirely on the intended purposes; they are intended to ensure in each case the finest possible distribution of the active compound(s) according to the invention.

Aqueous use forms can be prepared from emulsion concentrates, pastes or wettable powders (sprayable powders, oil dispersions) by adding water. To prepare emulsions, pastes or oil dispersions, the substances, as such or dissolved in an oil or solvent, can be homogenized in water by means of a wetter, tackifier, dispersant or emulsifier. However, it is also possible to prepare concentrates composed of active substance, wetter, tackifier, dispersant or emulsifier and, if appropriate, solvent or oil, and such concentrates are suitable for dilution with water.

The active compound concentrations in the ready-to-use preparations can be varied within relatively wide ranges. In general, they are from 0.0001 to 10%, preferably from 0.01 to 1% per weight.

The active compound(s) may also be used successfully in the ultra-low-volume process (ULV), it being possible to apply formulations comprising over 95% by weight of active compound, or even to apply the active compound without additives.

The following are examples of formulations: 1. Products for dilution with water for foliar applications. For seed treatment purposes, such products may be applied to the seed diluted or undiluted.

A) Water-soluble concentrates (SL, LS)
10 parts by weight of the active compound(s) are dissolved in 90 parts by weight of water or a water-soluble solvent. As an alternative, wetters or other auxiliaries are added. The active compound(s) dissolves upon dilution with water, whereby a formulation with 10 % (w/w) of active compound(s) is obtained.

B) Dispersible concentrates (DC)
20 parts by weight of the active compound(s) are dissolved in 75 parts by weight of cyclohexanone with addition of 10 parts by weight of a dispersant, for example polyvinylpyrrolidone. Dilution with water gives a dispersion, whereby a formulation with 20% (w/w) of active compound(s) is obtained.

C) Emulsifiable concentrates (EC)
15 parts by weight of the active compound(s) are dissolved in 75 parts by weight of xylene with addition of calcium dodecylbenzenesulfonate and castor oil ethoxylate (in

each case 5 parts by weight). Dilution with water gives an emulsion, whereby a formulation with 15% (w/w) of active compound(s) is obtained.

D) Emulsions (EW, EO, ES)

40 parts by weight of the active compound(s) are dissolved in 35 parts by weight of xylene with addition of calcium dodecylbenzenesulfonate and castor oil ethoxylate (in each case 5 parts by weight). This mixture is introduced into 30 parts by weight of water by means of an emulsifier machine (e.g. Ultraturrax) and made into a homogeneous emulsion. Dilution with water gives an emulsion, whereby a formulation with 25% (w/w) of active compound(s) is obtained.

E) Suspensions (SC, OD, FS)

In an agitated ball mill, 20 parts by weight of the active compound(s) are comminuted with addition of 10 parts by weight of dispersants, wetters and 70 parts by weight of water or of an organic solvent to give a fine active compound(s) suspension. Dilution with water gives a stable suspension of the active compound(s), whereby a formulation with 20% (w/w) of active compound(s) is obtained.

F) Water-dispersible granules and water-soluble granules (WG, SG)

50 parts by weight of the active compound(s) are ground finely with addition of 50 parts by weight of dispersants and wetters and made as water-dispersible or water-soluble granules by means of technical appliances (for example extrusion, spray tower, fluidized bed). Dilution with water gives a stable dispersion or solution of the active compound(s), whereby a formulation with 50% (w/w) of active compound(s) is obtained.

G) Water-dispersible powders and water-soluble powders (WP, SP, SS, WS)

75 parts by weight of the active compound(s) are ground in a rotor-stator mill with addition of 25 parts by weight of dispersants, wetters and silica gel. Dilution with water gives a stable dispersion or solution of the active compound(s), whereby a formulation with 75% (w/w) of active compound(s) is obtained.

2. Products to be applied undiluted for foliar applications. For seed treatment purposes, such products may be applied to the seed diluted or undiluted.

H) Dustable powders (DP, DS)

5 parts by weight of the active compound(s) are ground finely and mixed intimately with 95 parts by weight of finely divided kaolin. This gives a dustable product having 5% (w/w) of active compound(s)

I) Granules (GR, FG, GG, MG)

0.5 part by weight of the active compound(s) is ground finely and associated with 95.5 parts by weightof carriers, whereby a formulation with 0.5% (w/w) of active compound(s) is obtained. Current methods are extrusion, spray-drying or the fluidized bed. This gives granules to be applied undiluted for foliar use.

J) ULV solutions (UL, LS)

10 parts by weight of the active compound(s) are dissolved in 90 parts by weight of an organic solvent, for example xylene. This gives a product having 10% (w/w) of active compound(s), which is applied undiluted for foliar use.

Various types of oils, wetters, adjuvants, herbicides, fungicides, other pesticides, or bactericides may be added to the active ingredients, if appropriate just immediately prior to use (tank mix). These agents usually are admixed with the agents according to the invention in a weight ratio of 1:10 to 10:1.

The compounds of formula I are effective through both contact and ingestion.

The compounds of formula I are also suitable for the protection of the seed, plant propagules and the seedlings' roots and shoots, preferably the seeds, against soil pests and also for the treatment plant seeds which tolerate the action of herbicides or fungicides or insecticides owing to breeding, including genetic engineering methods.

Conventional seed treatment formulations include for example flowable concentrates FS, solutions LS, powders for dry treatment DS, water dispersible powders WS or granules for slurry treatment, water soluble powders SS and emulsion ES. Application to the seeds is carried out before sowing, either directly on the seeds.

The seed treatment application of the compounds of formula I or formulations containing them is carried out by spraying or dusting the seeds before sowing of the plants and before emergence of the plants.

The invention also relates to the propagation product of plants, and especially the treated seed comprising, that is, coated with and/or containing, a compound of formula I or a composition comprising it. The term "coated with and/or containing" generally signifies that the active ingredient is for the most part on the surface of the propagation product at the time of application, although a greater or lesser part of the ingredient may penetrate into the propagation product, depending on the method of application. When the said propagation product is (re)planted, it may absorb the active ingredient.

The seed comprises the inventive compounds or compositions comprising them in an amount of from 0,1 g to 10 kg per 100 kg of seed.

Compositions of this invention may also contain other active ingredients, for example other pesticides, insecticides, herbicides, fertilizers such as ammonium nitrate, urea, potash, and superphosphate, phytotoxicants and plant growth regulators, safeners and nematicides. These additional ingredients may be used sequentially or in combination with the above-described compositions, if appropriate also added only immediately prior to use (tank mix). For example, the plant(s) may be sprayed with a composition of this invention either before or after being treated with other active ingredients.

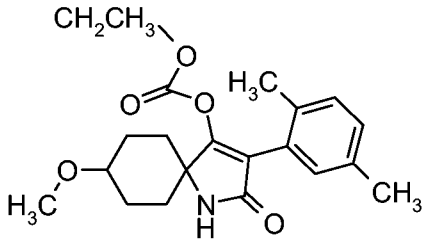
The following list of pesticides together with which the compounds according to the invention can be used, is intended to illustrate the possible combinations, but not to impose any limitation:

A.1. Organo(thio)phosphates: acephate, azamethiphos, azinphos-methyl, chlorpyrifos, chlorpyrifos-methyl, chlorfenvinphos, diazinon, dichlorvos, dicrotophos, dimethoate, disulfoton, ethion, fenitrothion, fenthion, isoxathion, malathion, methamidophos, methidathion, methyl-parathion, mevinphos, monocrotophos, oxydemeton-methyl, paraoxon, parathion, phenthoate, phosalone, phosmet, phosphamidon, phorate, phoxim, pirimiphos-methyl, profenofos, prothiofos, sulprophos, tetrachlorvinphos, terbufos, triazophos, trichlorfon;

A.2. Carbamates: alanycarb, aldicarb, bendiocarb, benfuracarb, carbaryl, carbofuran, carbosulfan, fenoxycarb, furathiocarb, methiocarb, methomyl, oxamyl, pirimicarb, propoxur, thiodicarb, triazamate;

A.3. Pyrethroids: allethrin, bifenthrin, cyfluthrin, cyhalothrin, cyphenothrin, cypermethrin, alpha-cypermethrin, beta-cypermethrin, zeta-cypermethrin, deltamethrin, esfenvalerate, etofenprox, fenpropathrin, fenvalerate, imiprothrin, lambda-cyhalothrin, permethrin, prallethrin, pyrethrin I and II, resmethrin, silafluofen, tau-fluvalinate, tefluthrin, tetramethrin, tralomethrin, transfluthrin;

A.4. Growth regulators: a) chitin synthesis inhibitors: benzoylureas: chlorfluazuron, cyramazin, diflubenzuron, flucycloxuron, flufenoxuron, hexaflumuron, lufenuron, novaluron, teflubenzuron, triflumuron; buprofezin, diofenolan, hexythiazox, etoxazole, clofentazine; b) ecdysone antagonists: halofenozide, methoxyfenozide, tebufenozide, azadirachtin; c) juvenoids: pyriproxyfen, methoprene, fenoxycarb; d) lipid biosynthesis inhibitors: spirodiclofen, spiromesifen, a tetronic acid derivative of formula Γ^1,



(Γ^1)

;

A.5. Nicotinic receptor agonists/antagonists compounds: clothianidin, dinotefuran, imidacloprid, thiamethoxam, nitenpyram, acetamiprid, thiacloprid;

A.6. GABA antagonist compounds: acetoprole, endosulfan, ethiprole, fipronil, vaniliprole;

A.7. Macrocyclic lactone insecticides: abamectin, emamectin, milbemectin, lepimectin, spinosad;

A.8. METI I acaricides: fenazaquin, pyridaben, tebufenpyrad, tolfenpyrad;

A.9. METI II and III compounds: acequinocyl, fluacyprim, hydramethylnon;

A.10. Uncoupler compounds: chlorfenapyr;

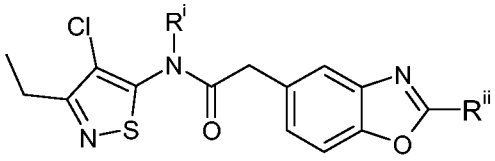
A.11. Oxidative phosphorylation inhibitor compounds: cyhexatin, diafenthiuron, fenbutatin oxide, propargite;

A.12. Moulting disruptor compounds: cryomazine;

A.13. Mixed Function Oxidase inhibitor compounds: piperonyl butoxide;

A.14. Sodium channel blocker compounds: indoxacarb, metaflumizone;

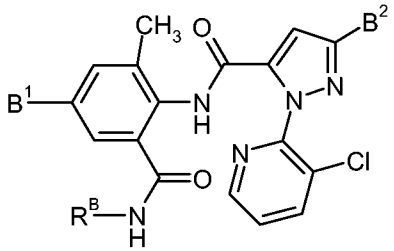
A.15. Various: benclothiaz, bifenazate, cartap, flonicamid, pyridalyl, pymetrozine, sulfur, thiocyclam, N-R'-2,2-dihalo-1-R''cyclo-propanecarboxamide-2-(2,6-dichloro-α,α,α-trifluoro-p-tolyl)hydrazone or N-R'-2,2-di(R''')propionamide-2-(2,6-dichloro-α,α,α-trifluoro-p-tolyl)-hydrazone, wherein R' is methyl or ethyl, halo is chloro or bromo, R'' is hydrogen or methyl and R''' is methyl or ethyl, and the aminoisothiazole compounds of formula Γ^2,



(Γ^2)

,

wherein R^i is $-CH_2OCH_2CH_3$ or H and R^{ii} is $CF_2CF_2CF_3$ or $CH_2CH(CH_3)_3$, anthranilamide compounds of formula Γ^3



(I^3) ,

wherein B^1 is hydrogen or a chlorine atom, B^2 is a bromine atom or CF_3, and R^B is CH_3 or $CH(CH_3)_2$, and malononitrile compounds as described in JP 2002 284608, WO 02/89579, WO 02/90320, WO 02/90321, WO 04/06677, WO 04/20399, or JP 2004 99597.

The insects may be controlled by contacting the target parasite/pest, its food supply, habitat, breeding ground or its locus with a pesticidally effective amount of compounds of or compositions of formula I.

"Locus" means a habitat, breeding ground, plant, seed, soil, area, material or environment in which a pest or parasite is growing or may grow.

In general, "pesticidally effective amount" means the amount of active ingredient needed to achieve an observable effect on growth, including the effects of necrosis, death, retardation, prevention, and removal, destruction, or otherwise diminishing the occurrence and activity of the target organism. The pesticidally effective amount can vary for the various compounds/compositions used in the invention. A pesticidally effective amount of the compositions will also vary according to the prevailing conditions such as desired pesticidal effect and duration, weather, target species, locus, mode of application, and the like.

The compounds or compositions of the invention can also be applied preventively to places at which occurrence of the pests is expected.

The compounds of formula I may also be used to protect growing plants from attack or infestation by pests by contacting the plant with a pesticidally effective amount of compounds of formula I. As such, "contacting" includes both direct contact (applying the compounds/compositions directly on the pest and/or plant - typically to the foliage, stem or roots of the plant) and indirect contact (applying the compounds/compositions to the locus of the pest and/or plant).

In the case of soil treatment or of application to the pests dwelling place or nest, the quantity of active ingredient ranges from 0.0001 to 500 g per 100 m^2, preferably from 0.001 to 20 g per 100 m^2.

For use in treating crop plants, the rate of application of the active ingredients of this invention may be in the range of 0.1 g to 4000 g per hectare, desirably from 25 g to 600 g per hectare, more desirably from 50 g to 500 g per hectare.

Compounds of formula I and compositions comprising them can also be used for controlling and preventing infestations and infections in animals including warm-blooded animals (including humans) and fish. They are for example suitable for controlling and preventing infestations and infections in mammals such as cattle, sheep, swine, camels, deer, horses, pigs, poultry, rabbits, goats, dogs and cats, water buffalo, donkeys, fallow deer and reindeer, and also in fur-bearing animals such as mink, chinchilla and raccoon, birds such as hens, geese, turkeys and ducks and fish such as fresh- and salt-water fish such as trout, carp and eels.

Infestations in warm-blooded animals and fish include, but are not limited to, lice, biting lice, ticks, nasal bots, keds, biting flies, muscoid flies, flies, myiasitic fly larvae, chiggers, gnats, mosquitoes and fleas.

The compounds of formula I and compositions comprising them are suitable for systemic and/or non-systemic control of ecto- and/or endoparasites. They are active against all or some stages of development.

Administration can be carried out both prophylactically and therapeutically. Administration of the active compounds is carried out directly or in the form of suitable preparations, orally, topically/dermally or parenterally.

For oral administration to warm-blooded animals, the formula I compounds may be formulated as animal feeds, animal feed premixes, animal feed concentrates, pills, solutions, pastes, suspensions, drenches, gels, tablets, boluses and capsules. In addition, the formula I compounds may be administered to the animals in their drinking water. For oral administration, the dosage form chosen should provide the animal with 0.01 mg/kg to 100 mg/kg of animal body weight per day of the formula I compound, preferably with 0.5 mg/kg to 100 mg/kg of animal body weight per day.

Alternatively, the formula I compounds may be administered to animals parenterally, for example, by intraruminal, intramuscular, intravenous or subcutaneous injection. The formula I compounds may be dispersed or dissolved in a physiologically acceptable carrier for subcutaneous injection. Alternatively, the formula I compounds may be formulated into an implant for subcutaneous administration. In addition the formula I compound may be transdermally administered to animals. For parenteral administration, the dosage form chosen should provide the animal with 0.01 mg/kg to 100 mg/kg of animal body weight per day of the formula I compound.

The formula I compounds may also be applied topically to the animals in the form of dips, dusts, powders, collars, medallions, sprays, shampoos, spot-on and pour-on formulations and in ointments or oil-in-water or water-in-oil emulsions. For topical application, dips and sprays usually contain 0.5 ppm to 5,000 ppm and preferably 1 ppm to 3,000 ppm of the formula I compound. In addition, the formula I compounds may be formulated as ear tags for animals, particularly quadrupeds such as cattle and sheep.

Suitable preparations are:

- Solutions such as oral solutions, concentrates for oral administration after dilution, solutions for use on the skin or in body cavities, pouring-on formulations, gels;
- Emulsions and suspensions for oral or dermal administration; semi-solid preparations;
- Formulations in which the active compound is processed in an ointment base or in an oil-in-water or water-in-oil emulsion base;
- Solid preparations such as powders, premixes or concentrates, granules, pellets, tablets, boluses, capsules; aerosols and inhalants, and active compound-containing shaped articles.

Generally it is favorable to apply solid formulations which release compounds of formula I in total amounts of 10 mg/kg to 300 mg/kg, preferably 20 mg/kg to 200 mg/kg. The active compounds can also be used as a mixture with synergists or with other active compounds which act against pathogenic endo- and ectoparasites.

In general, the compounds of formula I are applied in parasiticidally effective amount-meaning the amount of active ingredient needed to achieve an observable effect on growth, including the effects of necrosis, death, retardation, prevention, and removal, destruction, or otherwise diminishing the occurrence and activity of the target organism. The parasiticidally effective amount can vary for the various compounds/compositions used in the invention. A parasiticidally effective amount of the compositions will also vary according to the prevailing conditions such as desired parasiticidal effect and duration, target species, mode of application, and the like.

Synthesis Examples

With due modification of the starting compounds, the protocols shown in the synthesis examples below were used for obtaining further compounds I. The resulting compounds, together with physical data, are listed in the Tables 1 to 3 which follow.

2-[5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazol-3-yl]-8-methyl-benzo[d] [1,3]oxazin-4-one is known from WO 04/011447.

Example 1

Methyl-phenyl-sulfamoyl-N-(5-bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid (2-carbamoyl-6-methyl-phenyl))-amide, compound I.1-33.

0.089 g Methyl-phenyl-sulfamoyl-amine was dissolved in 5 ml methylene chloride. 0.017 g sodium hydride was added at 20-25°C and the solution was stirred for 1hour. 0.20 g 2-[5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazol-3-yl]-8-methyl-benzo[d] [1,3]oxazin-4-one were added and the resulting mixture was refluxed for 24h. The solvent was removed and the residue was purified by column chromatography (cyclo hexane/ ethyl acetate 1:2) to yield 0.18 g methyl-phenyl-sulfamoyl-N-(5-bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid (2-carbamoyl-6-methyl-phenyl))-amide

Example 2

Step A: Preparation of 5-bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid (2-carbamoyl-6-methyl-phenyl)-amide

1.00 g 2-[5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazol-3-yl]-8-methyl-benzo[d] [1,3]oxazin-4-one was taken up in 10 ml of a 25% ammonia solution in water and stirred for 72 h. The solids were filtered and washed with cold water to yield 0.80 g of the amide.

Step B: S,S-Dimethyl-N-(5-bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid (2-carbamoyl-6-methyl-phenyl))-sulfimide, compound I.3-2.

0.071 ml DMSO were dissolved under a nitrogen atmosphere in 0.5 ml methylene chloride and cooled to –60 °C. 0.14 ml trifluoroacetic acid anhydride were slowly added at this temperature followed by the addition of 0.20g 5-bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid (2-carbamoyl-6-methyl-phenyl)-amide. The resulting solution was stirred at –35°C for 1h. After diluting with 5 ml methylene chloride, the reaction mixture was extracted with aqueous sodium hydroxide once and two times with water. The organic solvent was dried and the solvent removed. The residue was diluted with diethyl ether and the solid residue was filtered off and dried to yield 0.08 g of the desired sulfimide.

Example 3

S,S Dimethyl – S- Aminosulfonium mesitylenesulfonate was prepared according to Y. Tamura et al, Tetrahedron, 1975, 31, 3035-3040.

S,S-Dimethyl-N-(5-bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid (2-carbamoyl-6-methyl-phenyl))-sulfimide, compound I.3-2.

0.2 g S,S Dimethyl – S- Aminosulfonium mesitylenesulfonate were dissolved in 20 ml methylene chloride. 0.26 g potassium t-butylate, 0.54 g 2-[5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazol-3-yl]-8-methyl-benzo[d] [1,3]oxazin-4-one were added and the resulting mixture was stirred at 20-25°C for additional 3.5 h. The reaction mixture was extracted with aqueous sodium hydroxide once and two times with water. The organic solvent was dried and the solvent removed. Column chromatography yielded 0.3 g of the desired product.

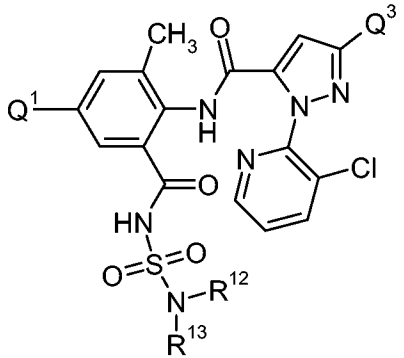
Example 4

2-{2-[5-Bromo-2-(2-chloro-phenyl)-2H-pyrazol-3-yl]-2-oxo-ethyl}-5-chloro-3-methyl-N-(1-oxo-hexahydro-1lambda*6*-thiopyran-1-ylidene)-benzamide

0.2 g 2-{2-[5-Bromo-2-(2-chloro-phenyl)-2H-pyrazol-3-yl]-2-oxo-ethyl}-5-chloro-3-methyl-N-(tetrahydro-1lambda*4*-thiopyran-1-ylidene)-benzamide (0.35 mmol) were dissolved in 10 ml acetic acid. 4 mg Sodium wolframate dihydrate were added. 45 mg of a 30 % solution of hydrogenperoxide was added dropwise and the resulting solution was stirred for 18 h. The reaction mixture was poured into a saturated aqueous sodium carbonate solution, methylene chloride was added and the organic pase was subsequently washed with water and saturated aqueous sodium carbonate. The organic solvent was dried and the solvent removed. Column chromatography yielded 0.07 g of the desired product, compound I.4-22.

The products were characterized by coupled High Performance Liquid Chromatography / mass spectrometry (HPLC/MS), by NMR or by their melting points.

Table I



(I.1)

No.	Q^1	Q^3	R^{12}	R^{13}	Physical Data: Meltingpoint [°C] ^{1}H-NMR, δ [ppm]
I.1-1	Cl	Br	CH_2CH_3	i-C_3H_7	> 210
I.1-2	Cl	Br	CH_2CH_3	c-C_6H_{11}	191
I.1-3	Cl	Br	i-C_3H_7	i-C_3H_7	150 - 151
I.1-4	Cl	Br	i-C_3H_7	CH_2CHCH_2	>210
I.1-5	Cl	Br	CH_3	CH_2CCH	162 - 163
I.1-6	Cl	Br	CH_3	CH_2CHCH_2	123
I.1-7	Cl	Br	CH_3	CH_2CH_3	102.20
I.1-8	Cl	Br	CH_3	i-C_3H_7	200
I.1-9	Cl	Br	CH_3	CH_3	203
I.1-10	Cl	Br	CH_3	c-C_6H_{11}	176 - 177
I.1-11	Cl	Br	CH_3	$CH_2C_6H_5$	154 - 155
I.1-12	Cl	Br	CH_3	C_6H_5	155 - 156
I.1-13	Cl	Br	CH_3	i-C_4H_9	148 - 149
I.1-14	Cl	Br	CH_3	$CH_2CH_2C_6H_5$	167 - 168

No.	Q^1	Q^3	R^{12}	R^{13}	Physical Data: Meltingpoint [°C] ^{1}H-NMR, δ [ppm]
I.1-15	Cl	Br	n-C_3H_7	i-C_3H_7	> 210
I.1-16	Cl	Br	n-C_3H_7	CH_2CH_2OMe	150 - 151
I.1-17	H	Br	CH_2CH_3	c-C_6H_{11}	191
I.1-18	H	Br	CH_2CH_3	CH_2CH_3	191
I.1-19	H	Br	CH_2CH_3	i- C_3H_7	209
I.1-20	H	Br	i-C_3H_7	CH_2CHCH_2	185
I.1-21	H	Br	i-C_3H_7	n-C_3H_7	204
I.1-22	H	Br	i-C_3H_7	i- C_3H_7	151
I.1-23	H	Br	CH_3	CH_2CHCH_2	153
I.1-24	H	Br	CH_3	$CH_2C_6H_5$	2.3 (s), 2.6 (s), 4.2 (s), 7.2-7.7 (m), 8.1 (d), 8.4 (d), 10.3 (s), 11.9 (s) [d_6-DMSO]
I.1-25	H	Br	CH_3	CH_2CCH	172
I.1-26	H	Br	CH_3	$CH_2CH_2C_6H_5$	178
I.1-27	H	Br	CH_3	CH_2CH_3	202
I.1-28	H	Br	CH_3	i-C_4H_9	0.8 (d), 1.8 (m), 2.2 (s), 2.6 (s), 2.8 (s), 7.2-7.6 (m), 8.1 (d), 8.5 (d), 10.2 (s), 11.7 (s) [d_6-DMSO]
I.1-29	H	Br	CH_3	i-C_3H_7	1.0 (d), 2.2 (s), 2.8 (s), 4.3 (m), 7.2-7.4 (m), 7.8 (d), 8.4 (d), 8.6 (s), 9.6 (s) [$CDCl_3$]
I.1-30	H	Br	CH_3	CH_3	205
I.1-31	H	Br	CH_3	n-C_3H_7	203
I.1-32	H	Br	CH_3	C_6H_5	1.0 (d), 2.1 (s), 7.2-7.7 (m), 8.1 (d), 8.4 (d), 10.3 (s), 11.9 (s) [d_6-DMSO]
I.1-33	H	Br	CH_3	C_6H_5	199

No.	Q^1	Q^3	R^{12}	R^{13}	Physical Data: Meltingpoint [°C] ^{1}H-NMR, δ [ppm]
I.1-34	Cl	CF_3	CH_2CH_2OMe	$CH_2CH_2CH_3$	150
I.1-35	Cl	CF_3	CH_2CHCH_2	i-C_3H_7	190
I.1-36	Cl	CF_3	CH_2CH_3	c-C_6H_{11}	185
I.1-37	Cl	CF_3	CH_2CH_3	CH_2CH_3	>240
I.1-38	Cl	CF_3	CH_2CH_3	i-C_3H_7	155
I.1-39	Cl	CF_3	i-C_3H_7	i-C_3H_7	180
I.1-40	Cl	CF_3	i-C_3H_7	n-C_3H_7	175
I.1-41	Cl	CF_3	CH_3	CH_2CCH	155
I.1-42	Cl	CF_3	CH_3	CH_2CH_2Ph	160
I.1-43	Cl	CF_3	CH_3	CH_2CHCH_2	90
I.1-44	Cl	CF_3	CH_3	c-C_6H_{11}	102
I.1-45	Cl	CF_3	CH_3	CH_2CH_3	110
I.1-46	Cl	CF_3	CH_3	i-C_4H_9	160
I.1-47	Cl	CF_3	CH_3	CH_3	198
I.1-48	Cl	CF_3	CH_3	$CH_2C_6H_5$	120
I.1-49	Cl	CF_3	CH_3	C_6H_5	130
I.1-50	H	CF_3	CH_2CH_2OMe	n-C_3H_7	180
I.1-51	H	CF_3	CH_2CHCH_2	i-C_3H_7	177
I.1-52	H	CF_3	CH_2CH_3	c-C_6H_{11}	200
I.1-53	H	CF_3	CH_2CH_3	CH_2CH_3	180
I.1-54	H	CF_3	i-C_3H_7	i-C_3H_7	190
I.1-55	H	CF_3	i-C_3H_7	n-C_3H_7	185
I.1-56	H	CF_3	CH_3	$CH_2C_6H_5$	165

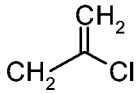
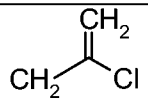
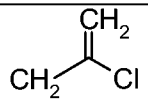
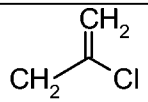
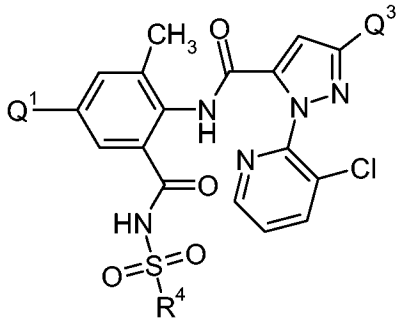
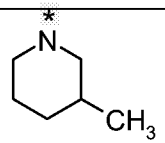
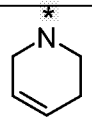
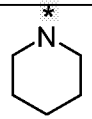
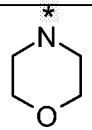
No.	Q^1	Q^3	R^{12}	R^{13}	Physical Data: Meltingpoint [°C] ^{1}H-NMR, δ [ppm]
I.1-57	H	CF_3	CH_3	CH_2CCH	165
I.1-58	H	CF_3	CH_3	$CH_2CH_2C_6H_5$	165
I.1-59	H	CF_3	CH_3	CH_2CHCH_2	160
I.1-60	H	CF_3	CH_3	c-C_6H_{11}	205
I.1-61	H	CF_3	CH_3	CH_2CH_3	195
I.1-62	H	CF_3	CH_3	i-C_4H_9	175
I.1-63	H	CF_3	CH_3	i-C_3H_7	1.1 (d), 2.2 (s), 2.8 (s), 4.3 (m), 7.2-7.5 (m), 7.9 (d), 8.5 (d), 8.6 (s), 9.7 (s) [$CDCl_3$]
I.1-64	H	CF_3	CH_3	CH_3	183
I.1-65	H	CF_3	CH_3	C_6H_5	115
I.1-66	Cl	CF_3	n-C_3H_7		140
I.1-67	H	CF_3	n-C_3H_7		195
I.1-68	H	Br	n-C_3H_7		199
I.1-69	Cl	Br	n-C_3H_7		159-160

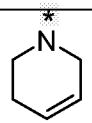
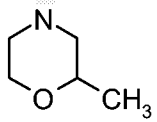
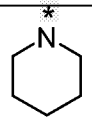
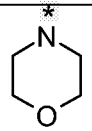
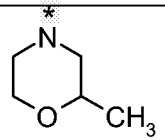
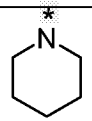
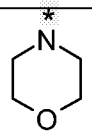
Table II



(I.2)

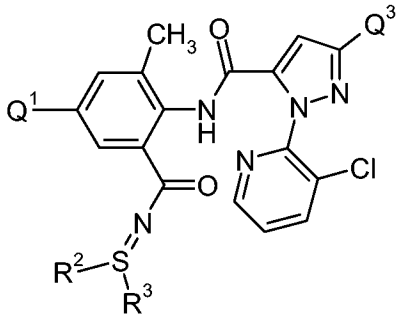
No.	Q^1	Q^3	R^4	Physical Data Melting Point [°C] ^{1}H-NMR, δ [ppm]
I.2-1	Cl	CF_3		115
I.2-2	Cl	CF_3		160
I.2-3	Cl	CF_3		145
I.2-4	Cl	CF_3		115

No.	Q^1	Q^3	R^4	Physical Data Melting Point [°C] ^{1}H-NMR, δ [ppm]
I.2-5	Cl	Br		105 - 106
I.2-6	Cl	Br		138 - 139
I.2-7	H	CF_3		175
I.2-8	H	CF_3		182
I.2-9	H	CF_3		150
I.2-10	Cl	Br		oil
I.2-11	Cl	Br		135

No.	Q^1	Q^3	R^4	Physical Data Melting Point [°C] ^{1}H-NMR, δ [ppm]
I.2-12	H	Br		162
I.2-13	H	Br		151
I.2-14	H	Br		162
I.2-15	H	Br		150
I.2-16	Cl	CF_3		198
I.2-17	H	CF_3		190
I.2-18	H	CF_3		165

* denotes the binding site

Table III



(I.3)

No.	Q^1	Q^3	R^2	R^3	Melting Point [°C]
I.3-1	Cl	CF_3	i-C_3H_7	i-C_3H_7	163
I.3-2	H	Br	CH_3	CH_3	165
I.3-3	Cl	Br	CH_2CH_3	CH_2CH_3	oil
I.3-4	Cl	Br	CH_3	CH_3	185
I.3-5	Cl	Br	i-C_3H7	i-C_3H_7	165 decomp.
I.3-6	Cl	CF_3	i-C_3H_7	i-C_3H_7	142
I.3-7	H	Br	CH_3	CH_3	200
I.3-8	Cl	CF_3	CH_3	CH_3	182
I.3-9	H	Br	n-C_3H_7	CH_3	150
I.3-10	H	CF_3	n-C_3H_7	CH_3	143
I.3-11	Cl	Br	n-C_3H_7	CH_3	179
I.3-12	Cl	Br	n-C_5H_{11}	CH_2CH_2OH	160
I.3-13	H	Br	n-C_5H_{11}	CH_2CH_2OH	70 decomp.
I.3-14	Cl	CF_3	CH_3	n-C_3H_7	60 decomp.

No.	Q^1	Q^3	R^2	R^3	Melting Point [°C]
I.3-15	I	CF_3	CH_3	n-C_3H_7	85
I.3-16	I	Br	CH_3	n-C_3H_7	180 decomp.
I.3-17	H	CF_3	n-C_5H_{11}	CH_2CH_2OH	106
I.3-18	I	Br	n-C_5H_{11}	CH_2CH_2OH	150 decomp.
I.3-19	I	Br	i-C_3H_7	i-C_3H_7	75
I.3-20	I	CF_3	i-C_3H_7	i-C_3H_7	75
I.3-21	H	Br	i-C_3H_7	i-C_3H_7	180
I.3-22	I	Br	CH_3	CH_3	115
I.3-23	I	CF_3	CH_3	CH_3	165
I.3-24	H	CF_3	CH_3	CH_3	206
I.3-25	Cl	Br	CH_2CH_3	CH_3	192
I.3-26	H	Br	CH_2CH_3	CH_3	161
I.3-27	I	Br	CH_2CH_3	CH_3	124
I.3-28	Cl	CF_3	CH_2CH_3	CH_3	181
I.3-29	H	CF_3	CH_3	CH_2CH_3	181
I.3-30	I	CF_3	CH_2CH_3	CH_3	181
I.3-31	H	CF_3	i-C_3H_7	i-C_3H_7	192
I.3-32	Cl	CF_3	n-C_5H_{11}	CH_2CH_2OH	133
I.3-33	I	CF_3	n-C_5H_{11}	CH_2CH_2OH	135
I.3-34	Cl	CF_3	CH_3	p-F-C_6H_4	185
I.3-35	Cl	Br	CH_3	p-F-C_6H_4	195
I.3-36	H	Br	CH_3	p-F-C_6H_4	120
I.3-37	H	CF_3	CH_3	p-F-C_6H_4	180

No.	Q^1	Q^3	R^2	R^3	Melting Point [°C]
I.3-38	I	CF_3	CH_3	p-F-C_6H_4	182
I.3-39	I	Br	CH_3	p-F-C_6H_4	201
I.3-40	Cl	Br	CH_2CH_2Cl	CH_2CH_3	158
I.3-41	Cl	Br	CH_2CH_3	$CHCH_2$	75
I.3-42	H	Br	CH_2CH_3	$CHCH_2$	60
I.3-43	I	Br	CH_2CH_3	$CHCH_2$	80
I.3-44	I	Br	CH_2CH_2Cl	CH_2CH_3	80
I.3-45	Cl	OCH_2CCH	i-C_3H_7	i-C_3H_7	oil
I.3-46	I	OCH_2CCH	i-C_3H_7	i-C_3H_7	oil
I.3-47	Cl	OCH_2CCH	CH_3	p-F-C_6H_4	oil
I.3-48	I	OCH_2CCH	CH_3	p-F-C_6H_4	oil
I.3-49	Cl	OCH_2CCH	CH_2CH_2OH	n-C_5H_{11}	oil
I.3-50	I	OCH_2CCH	CH_2CH_2OH	n-C_5H_{11}	oil
I.3-51	H	CF_3	CH_2CH_3	CH_2CH_2Cl	171
I.3-52	I	CF_3	CH_2CH_2Cl	CH_2CH_3	164
I.3-53	CN	CF_3	n-C_3H_7	CH_3	70
I.3-54	CN	CF_3	p-F-C_6H_4	CH_3	72
I.3-55	CN	CF_3	CH_3	CH_3	225
I.3-56	CN	Br	n-C_3H_7	CH_3	70
I.3-57	CN	Br	p-F-C_6H_4	CH_3	180
I.3-58	CN	Br	n-C_5H_{11}	CH_2CH_2OH	50
I.3-59	CN	Br	i-C_3H_7	i-C_3H_7	185
I.3-60	CN	Br	CH_3	CH_3	205

No.	Q^1	Q^3	R^2	R^3	Melting Point [°C]
I.3-61	CN	Br	CH_2CH_3	CH_3	80
I.3-62	CN	Br	CH_2CH_3	$CHCH_2$	60
I.3-63	CN	Br	CH_3	s-C_4H_9	71
I.3-64	CN	CF_3	CH_2CH_3	$CHCH_2$	60
I.3-65	CN	CF_3	CH_3	CH_2CH_3	65
I.3-66	CN	CF_3	CH_2CH_2OH	n-C_5H_{11}	47
I.3-67	CN	CF_3	s-C_4H_9	CH_3	66
I.3-68	CN	CF_3	i-C_3H_7	i-C_3H_7	131

"decomp." denotes the onset temperature of the decomposition.

Table IV

(I.4)

No.	Q^1	Q^3	$[O]_n=S(R^3)R^2$	Physical Data: Meltingpoint [°C]
I.4-1	Cl	Br		203
I.4-2	I	Br		195
I.4-3	I	CF_3		185
I.4-4	H	CF_3		208

No.	Q^1	Q^3	$[O]_n=S(R^3)(R^2)$	Physical Data: Meltingpoint [°C]
I.4-5	Cl	CF_3		182
I.4-6	Cl	Br		165
I.4-7	I	Br		120
I.4-8	H	CF_3		188
I.4-9	H	Br		169
I.4-10	I	CF_3		148

No.	Q^1	Q^3	$[O]_n=S(R^3)-R^2$	Physical Data: Meltingpoint [°C]
I.4-11	I	CF_3		215
I.4-12	Cl	Br		223
I.4-13	I	Br		213
I.4-14	Cl	OCH_2CCH		Oil
I.4-15	Cl	OCH_2CCH		Oil
I.4-16	CN	CF_3		85

No.	Q^1	Q^3	$[O]_n=S^*(R^3)-R^2$	Physical Data: Meltingpoint [°C]
I.4-17	CN	Br		92
I.4-18	CN	Br		85
I.4-19	CN	Br		85
I.4-20	CN	CF_3		88
I.4-21	CN	CF_3		194
I.4-22	Cl	Br		Oil

No.	Q^1	Q^3	$[O]_n=S^*(R^3)-R^2$	Physical Data: Meltingpoint [°C]
I.4-23	Cl	CF_3	$[CH_2CH_2OH][(CH_2)_4CH_3]S(=O)$-	oil

Examples for the action against harmful pests

1. Activity against Boll weevil (*Anthonomus grandis*)

The active compounds were formulated in 1:3 DMSO : water. 10 to 15 eggs were placed into microtiterplates filled with 2% agar-agar in water and 300 ppm formaline. The eggs were sprayed with 20 µl of the test solution, the plates were sealed with pierced foils and kept at 24-26°C and 75-85% humidity with a day/night cycle for 3 to 5 days. Mortality was assessed on the basis of the remaining unhatched eggs or larvae on the agar surface and/or quantity and depth of the digging channels caused by the hatched larvae. Tests were replicated 2 times.

In this test, compounds I.1-3, I.1-11, I.1-15, I.1-32, I.1-35, I.1-48, I.1-69, I.2-2, I.3-1, I.3-3, I.3-4, I.3-5, I.3-6, I.3-7, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-19, I.3-20, I.3-21, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-31, I.3-32, I.3-33, I.3-34, I.3-35, I.3-36, I.3-37, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-45, I.3-46, I.3-47, I.3-48, I.3-49, I.3-51, I.3-52, I.3-53, I.3-54, I.3-55, I.3-56, I.3-57, I.3-58, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-10, I.4-11, I.4-12, I.4-13, I.4-14, I.4-15, I.4-16, I.4-17, I.4-22, and I.4-23 at 2500 ppm showed over 75 % mortality.

2. Activity against Mediterranean fruitfly (*Ceratitis capitata*)

The active compounds were formulated in 1:3 DMSO : water. 50 to 80 eggs were placed into microtiterplates filled with 0.5% agar-agar and 14 % diet in water. The eggs were sprayed with 5 µl of the test solution, the plates were sealed with pierced foils and kept at 27-29°C and 75-85% humidity under fluorescent light for 6 days. Mortality was assessed on the basis of the agility of the hatched larvae. Tests were replicated 2 times.

In this test, compounds I.1-12, I.1-38, I.1-43, I.1-44, I.1-49, I.3-1, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-19, I.3-20, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-32, I.3-33, I.3-34, I.3-35, I.3-37, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-45, I.3-46, I.3-47, I.3-48, I.3-49, I.3-51, I.3-52, I.3-53, I.3-54, I.3-55, I.3-56, I.3-57, I.3-58, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-10, I.4-11, I.4-12, I.4-13, I.4-15, I.4-16, I.4-17, I.4-22 and I.4-23 at 2500 ppm showed over 75 % mortality.

3. Activity against Tobacco budworm (*Heliothis virescens*)

The active compounds were formulated in 1:3 DMSO : water. 15 to 25 eggs were placed into microtiterplates filled with diet. The eggs were sprayed with 10 µl of the test

solution, the plates were sealed with pierced foils and kept at 27-29°C and 75-85% humidity under fluorescent light for 6 days. Mortality was assessed on the basis of the agility and of comparative feeding of the hatched larvae. Tests were replicated 2 times.

In this test, compounds I.1-1, I.1-3, I.1-10, I.1-11, I.1-12, I.1-13, I.1-14, I.1-15, I.1-16, I.1-19, I.1-21, I.1-24, I.1-28, I.1-31, I.1-32, I.1-34, I.1-35, I.1-36, I.1-38, I.1-39, I.1-40, I.1-41, I.1-42, I.1-43, I.1-44, I.1-46, I.1-48, I.1-49, I.1-53, I.1-54, I.1-62, I.1-66, I.1-67, I.1-69, I.2-1, I.2-2, I.2-3, I.2-4, I.2-5, I.2-6, I.3-1, I.3-3, I.3-4, I.3-5, I.3-6, I.3-7, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-19, I.3-20, I.3-21, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-31, I.3-32, I.3-33, I.3-34, I.3-35, I.3-36, I.3-37, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-45, I.3-46, I.3-47, I.3-48, I.3-49, I.3-51, I.3-52, I.3-53, I.3-54, I.3-55, I.3-56, I.3-57 , I.3-58, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-10, I.4-11, I.4-12, I.4-13, I.4-14, I.4-15, I.4-16, I.4-17, I.4-22 and I.4-23 at 2500 ppm showed over 75 % mortality.

4. Activity against Vetch aphid (*Megoura viciae*)

The active compounds were formulated in 1:3 DMSO : water. Bean leaf disks were placed into microtiterplates filled with 0.8% agar-agar and 2.5 ppm OPUS™. The leaf disks were sprayed with 2.5 µl of the test solution and 5 to 8 adult aphids were placed into the microtiterplates which were then closed and kept at 22-24°C and 35-45% under fluorescent light for 6 days. Mortality was assessed on the basis of vital, reproduced aphids. Tests were replicated 2 times.

In this test, compounds I.1-12, I.1-19, I.1-32, I.1-49, I.1-50, I.1-53, I.2-9, I.3-1, I.3-3, I.3-4, I.3-5, I.3-6, I.3-7, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-19, I.3-20, I.3-21, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-32, I.3-33, I.3-34, I.3-35, I.3-36, I.3-37, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-45, I.3-47, I.3-49, I.3-51, I.3-52, I.3-53, I.3-54, I.3-55, I.3-56, I.3-57, I.3-58, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-10, I.4-11, I.4-12, I.4-13, I.4-14, I.4-15, I.4-16, I.4-17, I.4-22 and I.4-23 at 2500 ppm showed over 75 % mortality compared to 0% mortality of untreated controls.

5. Activity against Oat aphid (*Rhopalosiphum padi*)

The active compounds were formulated in 1:3 DMSO : water. Barlay leaf disk were placed into microtiterplates filled with 0.8% agar-agar and 2.5 ppm OPUS™ .The leaf disks were sprayed with 2.5 µl of the test solution and 3 to 8 adult aphids were placed into the microtiterplates which were then closed and kept at 22-24°C and 35-45% humidity under fluorescent light for 5 days. Mortality was assessed on the basis of vital aphids. Tests were replicated 2 times.

In this test, compound I.3-1 at 2500 ppm showed over 75 % mortality compared to 0% mortality of untreated controls.

6. Activity against Cotton aphid (*Aphis gossypii*)

The active compounds were formulated in 50:50 acetone:water and 100 ppm Kinetic™ surfactant.

Cotton plants at the cotyledon stage (one plant per pot) were infested by placing a heavily infested leaf from the main colony on top of each cotyledon. The aphids were allowed to transfer to the host plant overnight, and the leaf used to transfer the aphids was removed. The cotyledons were dipped in the test solution and allowed to dry. After 5 days, mortality counts were made.

In this test, compound I.3-1, I.3-3, I.3-4, I.3-5, I.3-6, I.3-7, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-15, I.3-16, I.3-17, I.3-18, I.3-19, I.3-20, I.3-21, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-32, I.3-33, I.3-34, I.3-35, I.3-36, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-51, I.3-52, I.3-53, I.3-54, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-10, I.4-11, I.4-12, I.4-13 and I.4-16 at 300 ppm showed over 50% mortality.

7. Activity against Southern armyworm (*Spodoptera eridania)*, 2nd instar larvae

The active compounds were formulated for testing the activity against insects and arachnids as a 10.000 ppm solution in a mixture of 35% acetone and water, which was diluted with water, if needed.

A Sieva lima bean leaf was dipped in the test solution and allowed to dry. The leaf was then placed in a petri dish containing a filter paper on the bottom and ten 2nd instar caterpillars. At 5 days, observations are made of mortality and reduced feeding.

In this test, compounds I.1-1, I.1-3, I.1-7, I.1-9, I.1-10, I.1-11, I.1-12, I.1-13, I.1-14, I.1-15, I.1-16, I.1-19, I.1-21, I.1-24, I.1-27, I.1-28, I.1-30, I.1-31, I.1-32, I.1-34, I.1-35, I.1-36, I.1-38, I.1-39, I.1-40, I.1-41, I.1-42, I.1-43, I.1-44, I.1-45, I.1-46, I.1-47, I.1-49, I.1-53, I.1-54, I.1-57, I.1-61, I.1-63, I.1-66, I.1-69, I.2-1, I.2-2, I.2-3, I.2-4, I.2-5, I.2-6, I.2-8, I.2-9, I.3-3, I.3-4, I.3-5, I.3-6, I.3-7, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-15, I.3-16, I.3-17, I.3-18, I.3-19, I.3-20, I.3-21, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-32, I.3-33, I.3-34, I.3-35, I.3-37, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-51, I.3-52, I.3-53, I.3-54, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-11, I.4-12, I.4-13, I.4-16, I.4-22 and I.4-23 at 300 ppm showed over 75% mortality.

8. Activity against silverleaf whitefly (*bemisia argentifolii*)

The active compounds were formulated in 50:50 acetone:water and 100 ppm Kinetic™ surfactant.

Selected cotton plants were grown to the cotyledon state (one plant per pot). The cotyledons were dipped into the test solution to provide complete coverage of the foliage and placed in a well-vented area to dry. Each pot with treated seedling was placed in a plastic cup and 10 to 12 whitefly adults (approximately 3-5 day old) were introduced. The insects were colleted using an aspirator and an 0.6 cm, non-toxic Tygon™ tubing (R-3603) connected to a barrier pipette tip. The tip, containing the collected insects, was then gently inserted into the soil containing the treated plant, allowing insects to crawl out of the tip to reach the foliage for feeding. The cups were covered with a re-usable screened lid (150 micron mesh polyester screen PeCap from Tetko Inc). Test plants were maintained in the holding room at about 25°C and 20-40% relative humidity for 3 days avoiding direct exposure to the fluorescent light (24 hour photoperiod) to prevent trapping of heat inside the cup. Mortality was assessed 3 days after treatment of the plants.

In this test, compound I.3-1, I.3-3, I.3-4, I.3-5, I.3-6, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-15, I.3-16, I.3-17, I.3-19, I.3-20, I.3-22, I.3-23, I.3-25, I.3-26, I.3-27, I.3-28, I.3-30, I.4-1, I.4-2 and I.4-3 at 300 ppm showed over 90% mortality.

9. Activity against Diamond back moth (*plutella xylostella*)

The active compounds were formulated in 50:50 acetone:water and 0.1 % (vol/vol) Alkamuls EL 620 surfactant. A 6 cm leaf disk of cabbage leaves was dipped in the test solution for 3 seconds and allowed to air dry in a Petri plate lined with moist filter paper. The leaf disk was inoculated with 10 third instar larvae and kept at 25-27°C and 50-60% humidity for 3 days. Mortality was assessed after 72 h of treatment.

In this test, compounds I.1-1, I.1-7, I.1-9, I.1-15, I.1-19, I.1-21, I.1-24, I.1-27, I.1-28, I.1-29, I.1-31, I.1-32, I.1-45, I.1-47, I.1-61, I.1-63, I.3-5, I.3-6, I.3-7, I.3-8, I.3-9, I.3-10, I.3-11, I.3-12, I.3-13, I.3-14, I.3-15, I.3-16, I.3-17, I.3-18, I.3-19, I.3-20, I.3-21, I.3-22, I.3-23, I.3-24, I.3-25, I.3-26, I.3-27, I.3-28, I.3-29, I.3-30, I.3-31, I.3-32, I.3-33, I.3-34, I.3-35, I.3-36, I.3-37, I.3-38, I.3-39, I.3-40, I.3-41, I.3-42, I.3-43, I.3-44, I.3-45, I.3-46, I.3-47, I.3-48, I.3-49, I.3-51, I.3-52, I.3-53, I.3-54, I.3-55, I.3-56, I.3-57, I.3-58, I.3-59, I.3-60, I.3-61, I.3-62, I.3-63, I.4-1, I.4-2, I.4-3, I.4-4, I.4-5, I.4-6, I.4-7, I.4-8, I.4-9, I.4-10, I.4-11, I.4-12, I.4-13, I.4-16, I.4-17, I.4-18, I.4-19, and I.4-22 at 300 ppm showed over 75% mortality.

10. Activity against Argentine ant (*Linepithema humile*), harvester ant (*Pogonomyrmex californicus*), acrobat ant (*Crematogaster spp.*), carpenter ant (*Camponotus floridanus*), fire ant (*Solenopsis invicta*), house fly (*Musca domestica*), stable fly (*Stomoxys calcitrans*), flesh fly (*Sarcophaga sp.*), yellowfever mosquito (*Aedes aegyptii*), house mosquito (*Culex quinquefasciatus*), malaria mosquito (*Anopheles albimanus*), German cockroach (*Blattella Germanica*), cat flea (*Ctenocephalides felis*), and brown dog tick (*Rhipicephalus sanguineus*) via glass contact

Glass vials were treated with 0.5 ml of a solution of active ingredient in acetone and allowed to dry. Insects or ticks were placed into each vial together with some food and moisture supply. The vials were kept at 22°C and were observed for treatment effects at various time intervals.

In this test, compounds I.3-4, I.3-5 and I.3-6 at 10 ppm showed over 70% mortality of yellowfever mosquito .

11. Activity against yellowfever mosquito (*Aedes aegyptii*), house mosquito (*Culex quinquefasciatus*) and malaria mosquito (*Anopheles albimanus*) larvae via water treatment

Well plates were used as test arenas. The active ingredient was dissolved in acetone and diluted with water to obtain the concentrations needed. The final solutions containing appr. 1% acetone were placed into each well. Approximately 10 mosquito larvae (4^{th}-instars) in 1 ml water were added to each well. Larvae were fed one drop of liver powder each day. The dishes were covered and maintained at 22°C. Mortality was recorded daily and dead larvae and live or dead pupae were removed daily. At the end of the test remaining live larvae were recorded and percent mortality was calculated.

In this test, compounds I.1-37, I.1-38, I.1-49, I.1-69, I.3-4, I.3-5, I.3-6 and I.3-7 at 10 ppm showed over 70% mortality of yellowfever mosquito .

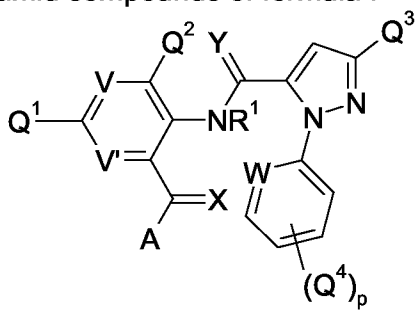
12. Activity against root-knot nematode (*Meloidogyne incognita*):

Test compounds are prepared and formulated into aqueous formulations using acetone. Tomato plants (var. Bonny Best) are grown in the greenhouse in plastic tubs (4 to 6 plants per tub). The plants and soil (a 50:50 mixture of sand and "New Egypt" sandy loam) are infested with M. incognita J2 (to establish the "in-house" colony, M. incognita J2 were initially acquired from Auburn University). The plants are kept pruned and are used on an "as needed" basis. The tomato plants are kept in the cylinder containing hydroponic solution and aerated until the nematodes are no longer present in the solution (usually about 60 days). The cultures are checked daily by eluting a small volume (approximately 20 ml) from the bottom of a funnel attached to the cylinder into a small

crystallizing dish and observed using a binocular dissecting scope. If needed for testing, the nematodes are cleaned and concentrated by pouring the culture solution through a sieve for cleaning and a sieve for concentrating. The nematodes are then resuspended in water to a concentration of approximately 20 to 50 nematodes per 50 µl. These are counted by putting 25 µl of the nematode solution into a well of an unused well of an assay plate. The total is then multiplied by 2 for a final total of nematodes per 50 µl of solution. To microtiter plates containing about 1.0 mg of compound, 80:20 acetone is added to each well and the solution is mixed to obtain the desired compound concentration. The nematode solution is added to each plate. The plates are then sealed and they are placed in an incubator at 27°C and 50% (+/-2%) relative humidity. After 72 hours, the population mortality is read, whereby immobility of nematodes is regarded as mortality.

Claims:

1. N-Thio-anthranilamid compounds of formula I

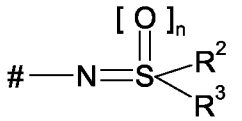


(I)

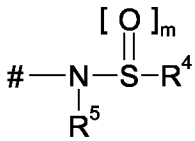
wherein

R^1 is hydrogen; or C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, or C_3-C_8-cycloalkyl, each of which is unsubstituted or substituted with 1 to 5 groups independently selected from halogen, cyano, nitro, hydroxy, C_1-C_{10}-alkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_2-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino and C_3-C_8-cycloalkylamino; or C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl;

A is a group selected from A^1 and A^2



(A^1)



(A^2) ;

wherein

# denotes the binding site;

R^2 and R^3 each independently are R^6, -C(=G)R^7, -C(=NOR^7)R^7, -C(=NNR$^7_2$)R^7 , -C(=G)OR^7, -C(=G)NR$^7_2$, -OC(=G) R^7, -OC(=G)OR^7, -NR^{7}C(=G)R^7, -N[C(=G)R^7]2, -NR^{7}C(=G)OR^7, -C(=G)NR^7-NR$^7_2$, -C(=G)NR^7-NR^7[C(=G)R^7], -NR^7-C(=G)NR$^7_2$, -NR^7-NR^{7}C(=G)R^7, -NR^7-N[C(=G)R^7]$_2$, -N[(C=G)R^7]-NR$^7_2$, -NR^7-NR^7[(C=G)GR^7], -NR^7[(C=G)NR$^7_2$, -NR^7[C=NR^7]R^7, -NR^7(C=NR^7)NR$^7_2$, -O-NR$^7_2$, -O-NR^7(C=G)R^7, -SO$_2$NR$^7_2$, -NR^{7}SO$_2$R^7, -SO$_2$OR^7, -OSO2R^7, -OR^7, -NR$^7_2$, -SR^7, -SiR$^7_3$, -PR$^7_2$, -P(=G)R^7, -SOR^7, -SO$_2$R^7, -PG$_2$R$^7_2$, or -PG$_3$R$^7_2$; or

R^2 and R^3 together with the sulfur atom to which they are attached form a saturated, partially unsaturated or unsaturated 3- to 8-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, which

ring can be fused with one or two saturated, partially unsaturated or unsaturated 5- to 6-membered rings which may contain 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein all of the above rings are unsubstituted or substituted by any combination of 1 to 6 groups R^8;

G is oxygen or sulfur;

R^6 is C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl, C_2-C_{20}-alkynyl, C_3-C_8-cycloalkyl, C_3-C_8-cycloalkenyl, C_3-C_8-cycloalkynyl, phenyl, naphthyl, biphenyl, or a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein all of these groups are unsubstituted or substituted by any combination of 1 to 6 groups R^8;

R^7 is hydrogen or R^6;

R^8 is R^9; or two groups R^8 together with the atoms to which they are attached form a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which may contain 1 to 4 heteroatoms /heterogroups selected from oxygen, nitrogen, sulfur, SO and SO_2, and which ring system is unsubstituted or substituted with any combination of 1 to 6 groups R^9.

R^9 is R^{10}, R^{11}, -C(=G)R^{10}, -C(=NOR^{10})R^{10}, -C(=NNR^{10}_2)R^{10} , -C (=G)OR^{10}, -C(=G)NR^{10}_2, -OC(=G) R^{10}, -OC(=G)OR^{10}, -NR^{10}C(=G)R^{10}, -N[C(=G)R^{10}]2, -NR^{10}C(=G)OR^{10}, -C(=G)NR^{10}-NR^{10}_2, -C(=G)NR^{10}-NR^{10}[C(=G)R^{10}], -NR^{10}-C(=G)NR^{10}_2, -NR^{10}-NR^{10}C(=G)R^{10}, -NR^{10}-N[C(=G)R^{10}]$_2$, -N[(C=G)R^{10}]-NR^{10}_2, -NR^{10}-NR^{10}[(C=G)GR^{10}], -NR^{10}[(C=G)NR^{10}_2, -NR^{10}[C=NR^{10}]R^{10}, -NR^{10}(C=NR^{10})NR^{10}_2, -O-NR^{10}_2, -O-NR^{10}(C=G)R^{10}, -SO_2NR^{10}_2, -N$R^{10}$$SO_2$$R^{10}$, -$SO_2OR^{10}$, -OSO2$R^{10}$, -O$R^{10}$, -N$R^{10}_2$, -S$R^{10}$, -Si$R^{10}_3$, -P$R^{10}_2$, -P(=G)$R^{10}$, -SO$R^{10}$, -$SO_2$$R^{10}$, -P$G_2$$R^{10}_2$, -P$G_3$$R^{10}_2$, or two groups R^9 together are (=G), (=N-R^{10}), (=CR^{10}_2), (=CHR^{10}), or (=CH_2);

R^{10} is C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, C_4-C_8-cycloalkenyl, C_3-C_8-cycloalkyl- C_1-C_4-alkyl, C_4-C_8-cycloalkenyl-C_1-C_4-alkyl, C_3-C_8-cycloalkyl-C_2-C_4-alkenyl, C_4-C_8-cycloalkenyl-C_2-C_4-alkenyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkyl, C_2-C_{10}-alkenyl-C_3-C_8-cycloalkyl, C_2-C_{10}-alkynyl-C_3-C_8-cycloalkyl, C_1-C_{10}-alkyl-C_4-C_8-cycloalkenyl, C_2-C_{10}-alkenyl-C_4-C_8-cycloalkenyl, C_2-C_{10}-alkynyl-C_4-C_8-cycloalkenyl,
a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur,

wherein the above groups are unsubstituted or substituted with any combination of from 1 to 6 groups R^{11};

R^{11} is halogen, cyano, nitro, hydroxy, mercapto, amino, formyl, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxy, C_2-C_{10}-alkenyloxy, C_2-C_{10}-alkynyloxy, C_1-C_{10}-haloalkoxy, C_3-C_{10}-haloalkenyloxy, C_3-C_{10}-haloalkynyloxy, C_3-C_8-cycloalkoxy, C_4-C_8-cycloalkenyloxy, C_3-C_8-halocycloalkoxy, C_4-C_8-halocycloalkenyloxy, C_3-C_8-cycloalkyl- C_1-C_4-alkoxy, C_4-C_8-cycloalkenyl-C_1-C_4-alkoxy, C_3-C_8-cycloalkyl- C_2-C_4-alkenyloxy, C_4-C_8-cycloalkenyl-C_2-C_4-alkenyloxy, C_1-C_{10}-alkyl-C_3-C_8-cycloalkoxy, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkoxy, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkoxy, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenyloxy, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenyloxy, C_1-C_4-alkoxy-C_1-C_{10}-alkoxy, C_1-C_4-alkoxy-C_2-C_{10}-alkenyloxy, mono- or di(C_1-C_{10}-alkyl)carbamoyl, mono- or di(C_1-C_{10}-haloalkyl)carbamoyl, mono- or di(C_3-C_8-cycloalkyl)carbamoyl,

C_1-C_{10}-alkoxycarbonyl, C_3-C_8-cycloalkoxycarbonyl, C_1-C_{10}-alkylcarbonyloxy, C_3-C_8-cyclo alkylcarbonyloxy, C_1-C_{10}-haloalkoxycarbonyl, C_1-C_{10}-haloalkylcarbonyloxy, C_1-C_{10}-alkanamido, C_1-C_{10}-haloalkanamido, C_2-C_{10}-alkenamido, C_3-C_8-cycloalkanamido, C_3-C_8-cycloalkyl-C_1-C_4-alkanamido, C_1-C_{10}-alkylthio, C_2-C_{10}-alkenylthio, C_2-C_{10}-alkynylthio, C_1-C_{10}-haloalkylthio, C_2-C_{10}-haloalkenylthio, C_2-C_{10}-haloalkynylthio, C_3-C_8-cycloalkylthio, C_3-C_8-cycloalkenylthio, C_3-C_8-halocycloalkylthio, C_3-C_8-halocycloalkenylthio, C_3-C_8-cycloalkyl- C_1-C_4-alkylthio, C_4-C_8-cycloalkenyl-C_1-C_4-alkylthio, C_3-C_8-cycloalkyl- C_2-C_4-alkenylthio, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylthio, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylthio, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylthio, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylthio, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylthio, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylthio, C_1-C_{10}-alkylsulfinyl, C_2-C_{10}-alkenylsulfinyl, C_2-C_{10}-alkynylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_2-C_{10}-haloalkenylsulfinyl, C_2-C_{10}-haloalkynylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_3-C_8-cycloalkenylsulfinyl, C_3-C_8-halocycloalkylsulfinyl, C_3-C_8-halocycloalkenylsulfinyl, C_3-C_8-cycloalkyl- C_1-C_4-alkylsulfinyl, C_4-C_8-cycloalkenyl-C_1-C_4-alkylsulfinyl, C_3-C_8-cycloalkyl- C_2-C_4-alkenylsulfinyl, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylsulfinyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylsulfinyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylsulfinyl, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylsulfinyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylsulfinyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_2-C_{10}-alkenylsulfonyl, C_2-C_{10}-alkynylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_2-C_{10}-haloalkenylsulfonyl, C_2-C_{10}-haloalkynylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-cycloalkenylsulfonyl, C_3-C_8-halocycloalkylsulfonyl, C_3-C_8-halocycloalkenylsulfonyl, C_3-C_8-cycloalkyl-C_1-C_4-alkylsulfonyl, C_4-C_8-cycloalkenyl-C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl-C_2-C_4-alkenylsulfonyl, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylsulfonyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylsulfonyl, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylsulfonyl, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylsulfonyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylsulfonyl,

C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylsulfonyl, di(C_1-C_{10}-alkyl)amino, C_1-C_{10}-alkylamino, C_2-C_{10}-alkenylamino, C_2-C_{10}-alkynylamino, C_1-C_{10}-alkyl-C_2-C_{10}-alkenylamino, C_1-C_{10}-alkyl-C_2-C_{10}-alkynylamino, C_1-C_{10}-haloalkylamino, C_2-C_{10}-haloalkenylamino, C_2-C_{10}-haloalkynylamino, C_3-C_8-cycloalkylamino, C_3-C_8-cycloalkenylamino, C_3-C_8-halocycloalkylamino, C_3-C_8-halocycloalkenylamino, C_3-C_8-cycloalkyl- C_1-C_4-alkylamino, C_4-C_8-cycloalkenyl-C_1-C_4-alkylamino, C_3-C_8-cycloalkyl- C_2-C_4-alkenylamino, C_4-C_8-cycloalkenyl-C_2-C_4-alkenylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkynyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkenylamino, C_1-C_{10}-alkenyl-C_3-C_8-cycloalkenylamino,
tri(C_1-C_{10}-alkyl)silyl, aryl, aryloxy, arylthio, arylamino, aryl-C_1-C_4-alkoxy, aryl-C_3-C_4-alkenyloxy, aryl-C_1-C_4-alkylthio, aryl-C_2-C_4-alkenylthio, aryl-C_1-C_4-alkylamino, aryl-C_3-C_4-alkenylamino, aryl-di(C_1-C_4-alkyl)silyl, triarylsilyl, wherein aryl is phenyl, naphthyl or biphenyl, or
a saturated, partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur,
wherein these aryl and these heterocyclic ringsystems are unsubstituted or substituted with any combination of from 1 to 6 groups selected from halogen, cyano, nitro, amino, hydroxy, mercapto, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkylthio, di(C_1-C_4-alkyl)amino, C_1-C_4-alkylamino, C_1-C_4-haloalkylamino, formyl and C_1-C_4-alkylcarbonyl;

R^4 is $NR^{12}R^{13}$;

R^{12} and R^{13} are each independently hydrogen; or C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl or C_2-C_{20}-alkynyl, each of which is unsubstituted or substituted with any combination of 1 to 6 groups selected from C_1-C_4-alkoxy, C_1-C_4-alkylthio, cyano, nitro, formyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl, and phenyl, wherein phenyl itself is unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

C_1-C_{20}-haloalkyl, C_2-C_{20}-haloalkenyl, C_2-C_{20}-haloalkynyl, C_5-C_{10}-cycloalkenyl, or a saturated or partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, or phenyl or naphthyl, wherein this ring system and phenyl or naphthyl themselves are unsubstituted or substituted by 1 to 4

substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

R^{12} and R^{13} together with the nitrogen atom to which they are attached form a saturated or partially unsaturated 5- to 8-membered heterocycle which besides the one nitrogen atom contains 0 to 2 further heteroatoms selected from oxygen, nitrogen, sulfur, and may contain 1 or 2 carbonyl groups or thiocarbonyl groups and which is unsubstituted or substituted by from 1 to 4 groups selected from C_1-C_4-alkyl, C_1-C_4-alkoxy and C_1-C_4-haloalkyl;

R^5 is hydrogen; or C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl, C_2-C_{20}-alkynyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkylaminocarbonyl, C_1-C_4-alkoxycarbonyl, each of which is unsubstituted or substituted by from 1 to 6 groups selected from C_1-C_4-alkoxy, C_1-C_4-alkylthio, cyano, nitro, formyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl, C_3-C_8-cycloalkyl, and phenyl, wherein phenyl itself is unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano; or

C_1-C_{20}-haloalkyl, C_2-C_{20}-haloalkenyl, C_2-C_{20}-haloalkynyl, C_5-C_{10}-cycloalkenyl, or a saturated or partially unsaturated or unsaturated 3- to 8-membered ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, or phenyl or naphthyl, wherein this ring system and phenyl or naphthyl themselves are unsubstituted or substituted by 1 to 4 substituents selected from halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-fluoroalkyl, C_1-C_4-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, nitro and cyano;

Q^1 and Q^2 each independently are hydrogen, halogen, cyano, SCN, nitro, hydroxy, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_1-C_{10}-alkylsulfonyloxy, C_1-C_{10}-haloalkylsulfonyloxy, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cyclalkylamino, alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl, or tri(C_1-C_{10})-alkylsilyl, or

Q^1 and Q^2 are each independently phenyl, benzyl or phenoxy, wherein each ring is unsubstituted or substituted with any combination of from 1 to 3 substituents independently selected from the group halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl and tri(C_1-C_{10})-alkylsilyl;

Q^3 is halogen; or C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkyl-C_3-C_8-cycloalkyl, C_1-C_{10}-haloalkyl-C_3-C_8-cycloalkyl, each unsubstituted or independently substituted with 1 to 2 groups selected from cyano, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, and C_1-C_{10}-alkoxycarbonyl; or

Q^3 is OR^{14}, $S(O)_qR^{14}$, $NR^{15}R^{16}$, $OS(O)_2R^{17}$, $NR^{16}S(O)_2R^{17}$, $C(S)NH_2$, $C(R^{18})=NOR^{18}$, C_3-C_8-cycloalkyl-C_1-C_4-alkyl, C_1-C_{10}-alkylaminothiocarbonyl, or di(C_1-C_{10}-alkyl)aminothiocarbonyl;

R^{14} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_3-C_8-cycloalkyl-C_1-C_4-alkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl-C_1-C_4-alkyl, C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, or C_1-C_{10}-haloalkylcarbonyl, each unsubstituted or substituted with 1 R^{19};

R^{15} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, or C_1-C_{10}-haloalkylcarbonyl, each unsubstituted or substituted with 1 R^{19};

R^{16} is hydrogen; or C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_4-alkyl-C_3-C_8-cycloalkyl, or C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, each unsubstituted or substituted with 1 R^{19};

R^{17} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-

C_4-alkyl-C_3-C_8-cycloalkyl, or C_1-C_4-haloalkyl-C_3-C_8-cycloalkyl, each unsubstituted or substituted with 1 R^{19};

R^{19} is cyano, nitro, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylamino, or di(C_1-C_{10}-alkyl)amino; or

R^{19} is phenyl or a heteroaromatic 5- or 6-membered ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, the phenyl radical and the heteroaromatic ring being unsubstituted or substituted with any combination of from 1 to 3 groups selected from halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl and tri(C_1-C_{10})-alkylsilyl;

R^{18} is the same or different: hydrogen, C_1-C_{10}-alkyl, or C_1-C_{10}-haloalkyl;

q is 0, 1 or 2;

Q^4 is halogen, cyano, nitro, hydroxy, COOH, C(O)NH_2, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl or tri(C_1-C_{10})-alkylsilyl; or

Q^4 is phenyl, benzyl, benzyloxy, phenoxy, a 5- or 6-membered heteroaromatic ring which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur or an aromatic 8-, 9- or 10-membered fused heterobicyclic ring system which contains 1 to 4 heteroatoms selected from oxygen, nitrogen, sulfur, wherein each of the above ring systems is unsubstituted or substituted with any combination of from 1 to 3 groups selected from halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-haloalkenyl, C_2-C_{10}-alkynyl, C_3-C_{10}-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-

halocycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylamino, di(C_1-C_{10}-alkyl)amino, C_3-C_8-cycloalkylamino, C_1-C_{10}-alkyl-C_3-C_8-cycloalkylamino, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylaminocarbonyl, di(C_1-C_{10}-alkyl)aminocarbonyl and tri(C_1-C_{10})-alkylsilyl;

X and Y are each independently oxygen or sulfur;

V and V' are each independently N or CQ^2;

W is N, CH or CQ^4;

m is 0, 1 or 2;

n is 0 or 1;

p is 0, 1, 2, 3, or 4;

or the enantiomers or salts or N-oxides thereof.

2. N-Thio-anthranilamid compounds of formula I according to claim 1 wherein X and Y are oxygen.

3. N-Thio-anthranilamid compounds of formula I according to claims 1 or 2 wherein V and V' are CH.

4. N-Thio-anthranilamid compounds of formula I according to claims 1 to 3 wherein

W is N;

R^1 is hydrogen or C_1-C_4-alkyl;

Q^1 is halogen, cyano, SCN, nitro, hydroxy, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylsulfonyloxy, C_1-C_{10}-alkylamino or di(C_1-C_{10}-alkyl)amino;

Q^2 is halogen, cyano, SCN, nitro, hydroxy, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_3-C_8-cycloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-alkylsulfonyloxy, C_1-C_{10}-alkylamino or di(C_1-C_{10}-alkyl)amino;

Q^3 is halogen, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, each unsubstituted or independently substituted with 1 to 2 groups selected from cyano, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy or C_1-C_{10}-alkylthio, or

Q^3 is OR^{14}, $S(O)_qR^{14}$, $NR^{15}R^{16}$, $OS(O)_2R^{17}$, $C(S)NH_2$, $C(R^{18})=NOR^{18}$; wherein

R^{14} is C_1-C_{10}-alkyl or C_3-C_8-cycloalkyl unsubstituted or substituted with 1 R^{19}; and

R^{15} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, each unsubstituted or substituted with 1 R^{19}; and

R^{16} is hydrogen, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, each unsubstituted or substituted with 1 R^{19}; and

R^{17} is C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, each unsubstituted or substituted with 1 R^{19}; and

R^{18} is

R^{19} is cyano, nitro, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio;

Q^4 is halogen, cyano, nitro, C_1-C_{10}-alkyl, C_1-C_{10}-haloalkyl, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_1-C_{10}-alkylthio, C_1-C_{10}-haloalkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-haloalkylsulfinyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-haloalkylsulfonyl, or C_1-C_{10}-alkoxycarbonyl, and is in the ortho-position; and

p is 1.

5. N-Thio-anthranilamid compounds of formula I according to claims 1 to 4 wherein

W is N;

R^1 is hydrogen;

Q^1 is hydrogen, halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl;

Q^2 is halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl;

Q^3 is halogen, C_1-C_4-haloalkyl or C_1-C_4-haloalkoxy;

Q^4 is halogen or C_1-C_4-haloalkyl and is in the ortho-position; and

p is 1.

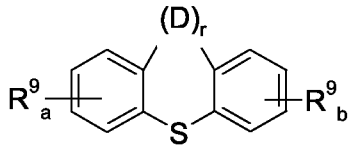
6. N-Thio-anthranilamid compounds of formula I according to claims 1 to 5 wherein

A is A^1;

R^2 and R^3 each independently are is C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, or phenyl, wherein these groups are unsubstituted or substituted by any combination of 1 to 6 groups selected from R^{11},

R^{11} is halogen, cyano, nitro, hydroxy, mercapto, amino, C_1-C_{10}-alkoxy, C_1-C_{10}-haloalkoxy, C_3-C_8-cycloalkoxy, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylcarbonyloxy, C_1-C_{10}-alkanamido, C_1-C_{10}-alkylthio, C_1-C_{10}-alkylsulfinyl, C_1-C_{10}-alkylsulfonyl, di(C_1-C_{10}-alkyl)amino or C_1-C_{10}-alkylamino; or

R^2 and R^3 together with the sulfur atom to which they are attached form a unit SR^2R^3 of the following formula:



wherein

r is 0 or 1;

D is a direct bond, branched or straight C_1-C_4-alkylene, O, $S(O)_{0,1,2}$ or NR^j, preferably CH2, O, or NR^j;

R^9 is as defined above;

R^j is hydrogen, C_1-C_4-alkyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, C_1-C_4-alkylaminocarbonyl, di(C_1-C_4-alkyl)aminocarbonyl, or C_1-C_4-alkylsulfonyl;

a,b are the same or different 0, 1, 2, 3 or 4, preferably 0, 1, or 2.

7. N-Thio-anthranilamid compounds of formula I according to claims 1 to 5 wherein

A is A^2;

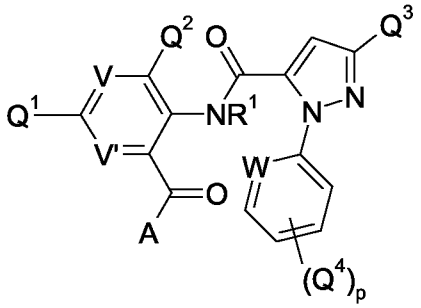
R^4 is $NR^{12}R^{13}$ and

R^{12} and R^{13} are each independently hydrogen, C_1-C_{20}-alkyl, C_2-C_{20}-alkenyl or C_2-C_{20}-alkynyl, each of which is unsubstituted or substituted by from 1 to 3 CN, C_1-C_{20}-haloalkyl, or R^{12} and R^{13} together with the nitrogen atom to which

they are attached may also form a saturated or partially unsaturated 5- to 8-membered heterocycle which besides the one nitrogen atom contains 0 to 2 further heteroatoms selected from oxygen, nitrogen, sulfur, and may contain 1 or 2 carbonyl groups or thiocarbonyl groups and which is unsubstituted or substituted by from 1 to 4 groups selected from C_1-C_4-alkyl, C_1-C_4-alkoxy and C_1-C_4-haloalkyl;

R^5 is hydrogen.

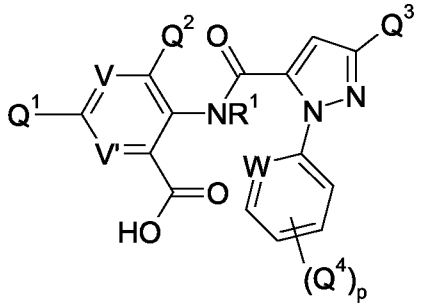
8. A process for the preparation of compounds of formula (I-1)



(I-1)

,

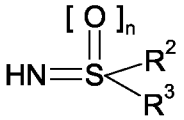
wherein the variables are as defined for formula (I) in claim 1, characterized in that an activated derivative of a carboxylic acid of the formula (II)



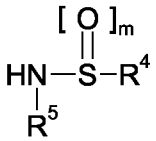
(II)

,

wherein the variables are as defined for formula (I) is reacted in the presence of a base with a compound of the formula A^1-H or A^2-H, respectively,



(A^1-H)

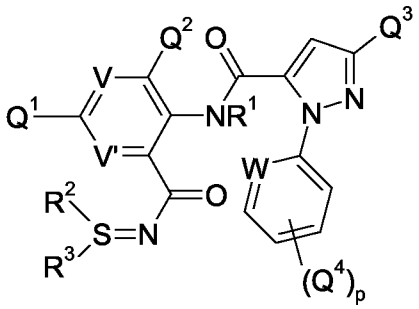


(A^2-H)

,

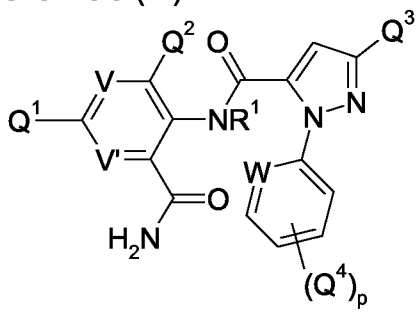
wherein the variables are as defined for formula (I).

9. A process for the preparation of compounds of formula (I-2)



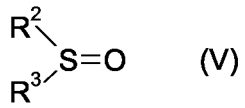
(I-2)

wherein the variables are as defined for formula (I) in claim 1, characterized in that an amide of the formula (IV)



(IV)

wherein the variables are as defined for formula (I) in claim 1, is reacted with a sulfoxide of the formula (V),



(V)

,

wherein R^2 and R^3 are as defined for formula (I) in claim 1, in the presence of a condensating agent.

10. Use of compounds of formula I as defined in claims 1 to 7 for combating insects, acarids, or nematodes.

11. A method for the control of insects, acarids or nematodes by contacting the insect, acarid or nematode or their food supply, habitat, breeding ground or their locus with a pesticidally effective amount of compositions or compounds of formula I as defined in claims 1 to 7.

12. A method of protecting growing plants from attack or infestation by insects, acarids or nematodes by applying to the foliage of the plants, or to the soil or water in which they are growing, a pesticidally effective amount of compositions or compounds of formula I as defined in claims 1 to 7.

13. A method for treating, controlling, preventing or protecting animals against infestation or infection by parasites which comprises orally, topically or parenterally administering or applying to the animals a parasiticidally effective amount of compositions or compounds of formula I as defined in claims 1 to 7 or their enantiomers or veterinarily acceptable salts.

14. A process for the preparation of a composition for treating, controlling, preventing or protecting animals against infestation or infection by parasites which comprises a parasiticidally effective amount of compositions or compounds of formula I as defined in claims 1 to 7 or their enantiomers or veterinarily acceptable salts.

15. Compositions comprising a pesticidally or parasiticidally active amount of compounds of formula I as defined in claims 1 to 7 and an agronomically or veterinarily acceptable carrier.

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2006/063761

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07D401/04 A01N43/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07D A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/016284 A (E. I. DU PONT DE NEMOURS AND COMPANY; FINKELSTEIN, BRUCE, LAWRENCE; LA) 27 February 2003 (2003-02-27) page 1, line 4 - line 15; claims 1,17-20; table 3	1-5, 10-15
A	WO 2004/046129 A (E.I. DU PONT DE NEMOURS AND COMPANY; HUGHES, KENNETH, ANDREW; LAHM, GE) 3 June 2004 (2004-06-03) cited in the application page 1, line 5 - line 8; claim 1	1-15

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
29 September 2006	26/10/2006

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	MORIGGI, J

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 13 and 14 are directed to a method of treatment of the human/animal body, the search was carried out and based on the alleged effects of the compound/composition. Similarly, although claim 11 could be directed to a method of treatment of the human/animal body, the search was carried out and based on the alleged effects of the compound/composition

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2006/063761

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. [X] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

see FURTHER INFORMATION sheet PCT/ISA/210

2. [ ] Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. [ ] Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. [ ] As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. [ ] As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. [ ] As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. [ ] No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

[ ] The additional search fees were accompanied by the applicant's protest.

[ ] No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2006/063761

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03016284 A	27-02-2003	BR 0212183 A	24-08-2004
		CN 1653051 A	10-08-2005
		EP 1417176 A1	12-05-2004
		JP 2005503384 T	03-02-2005
		MX PA04001407 A	27-05-2004
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		BR 0315714 A	06-09-2005
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		JP 2006514632 T	11-05-2006
		MX PA05005025 A	03-08-2005