

(19)  
(12)

(KR)  
(A)

(51) Int. Cl.<sup>7</sup>  
A01N 47/12

(11)  
(43)

10-2004-0028983  
2004 04 03

(21) 10-2004-7001775  
(22) 2004 02 05  
2004 02 05  
(86) PCT/EP2002/009000  
(86) 2002 08 12

(87)  
(87)

WO 2003/017760  
2003 03 06

(30) 10141618.0 2001 08 24 (DE)

(71) 40789 - - 50

(72) - 56566 85

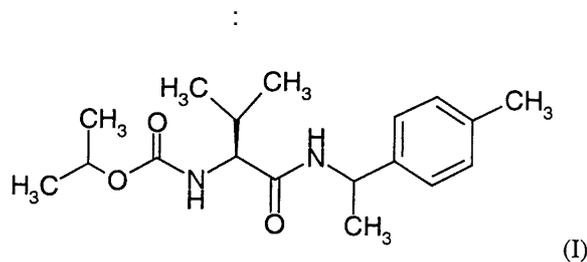
40764 10

(74)

:

(54)

(1) (26)



가 ,

1- [2- -1-[[[(1S)-1-(4- ) ] ] ] ] 가  
( : EP-472 996). ;

( : EP-A-0 040 345, DE-A 22 01 063, DE-A 23 24 010, Pesticide M anual, 9th. Edition (1991), pages 249 827, EP-A-0 382 375 EP-A- 0 515 901). 가 ,

, 1-[(6- -3- ) ]-N- -2- ( : Pesticide Manual, 9th. Edition (1991), page 491). ,

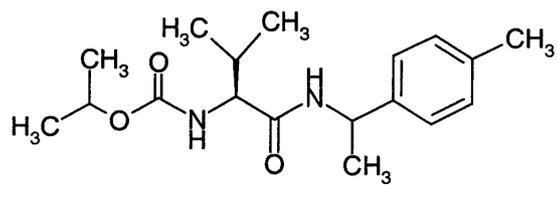
, 가 ( : EP-A-712 396).

, (I) 가 ( : EP-A -610 764, EP-A -944 318, WO 00/030440, WO 00/045638). ; 가 .

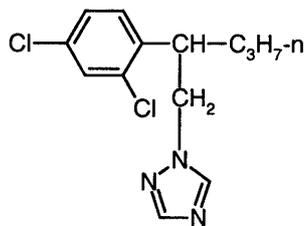
(I)

- (1) a) (IIa) /
- b) (IIb) /
- c) (IIc) /
- d) (IId) /
- e) (IIe) /
- f) (IIf) /
- g) (IIg) /
- h) (IIh) /
- i) (III) /
- (2) (III) /
- (3) (IV) /
- (4) (V) /
- (5) (VI) /
- (6) (VII) /
- (7) (VIII) /
- (8) (IX) /
- (9) (X) /
- (10) (XI) /
- (11) a) (XIIa) /
- b) (XIIb) /

- c) (XIIc) /
- d) (XIId) /
- e) (XIIe) /
- f) (XIIf) /
- g) (XIIfg) /
- (12) (XIII) /
- (13) (XIV) /
- (14) (XV) /
- (15) (XVI) /
- (16) (XVII) /
- (17) (XVIII) /
- (18) a) (XIXa) /
- b) (XIXb) /
- (19) (XXa) /
- (20) (XXI) /
- (21) (XXII) /
- (22) (XXIII) (crop-compatible) , /
- (23) a) (XXIVa) /
- b) (XXIVb) /
- (24) (XXV) /
- (25) (XXVI), (I) (II), (II) /
- (26) (XXVII) 가 :

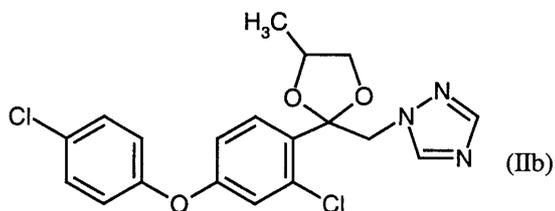


(이프로발리카브)



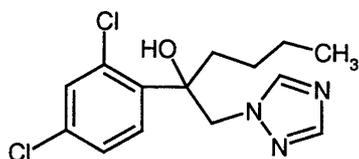
(IIa)

(펜코나졸)



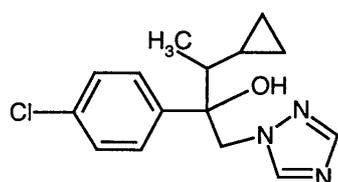
(IIb)

(디페노코나졸)



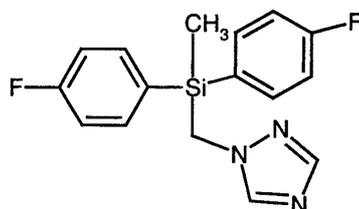
(IIc)

(헥사코나졸)



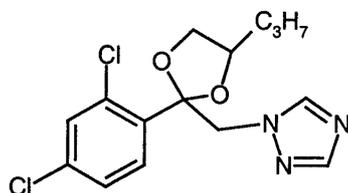
(IId)

(사이프로코나졸)



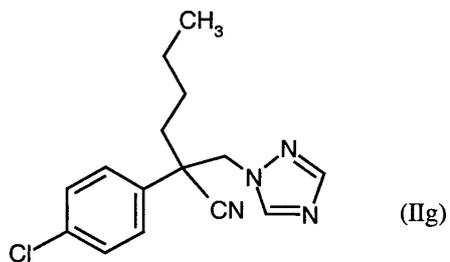
(IIe)

(플루실라졸)



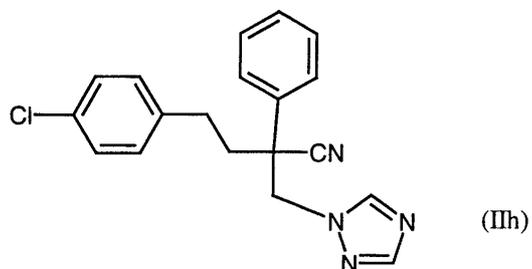
(IIIf)

(프로피코나졸)



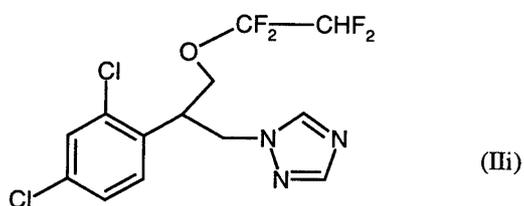
(IIg)

(마이클로부타닐)



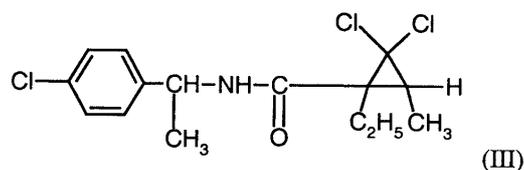
(IIh)

(펜부코나졸)



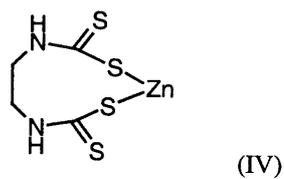
(IIi)

(테트라코나졸)



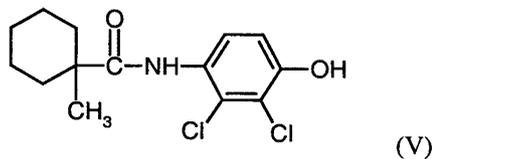
(III)

(카프로파미드)



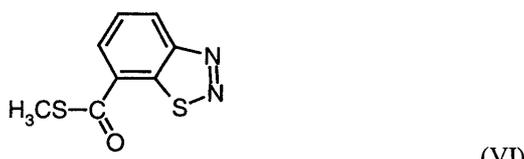
(IV)

(지네브)



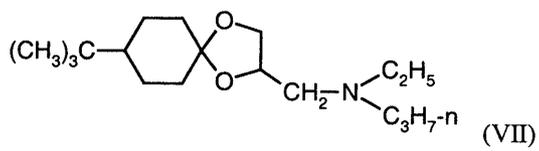
(V)

(펜헥사미드)

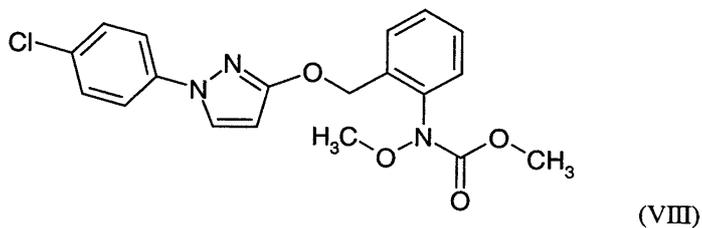


(VI)

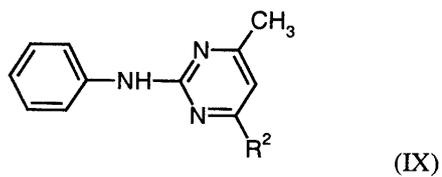
(아시펜졸라-S-메틸)



(스피록사민)



(피라클로스트로빈)

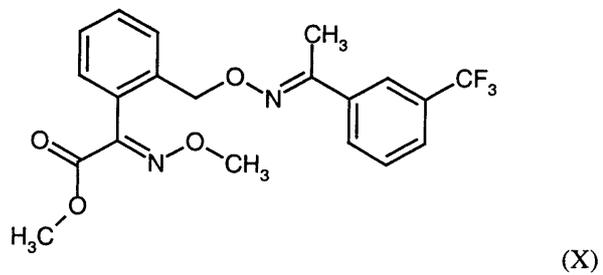


( ) ,

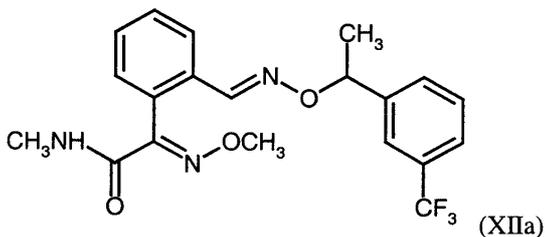
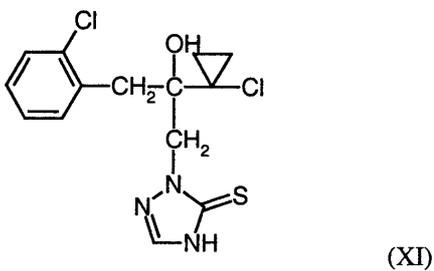
R<sup>2</sup> ( ) (IXa),

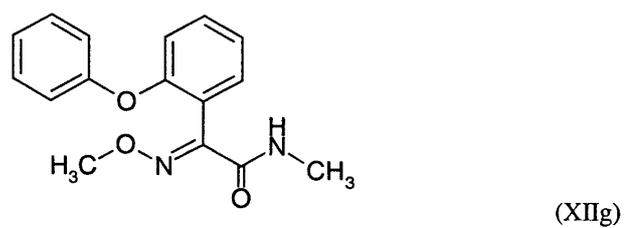
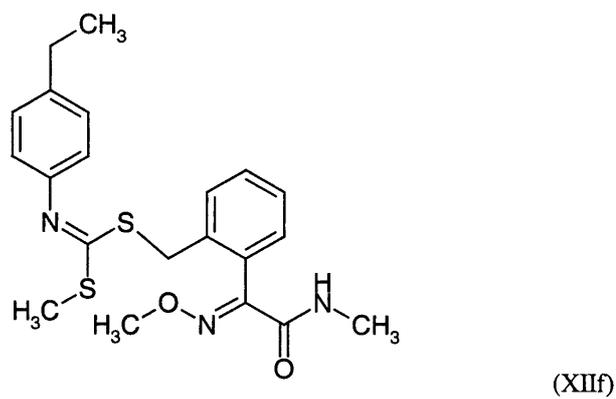
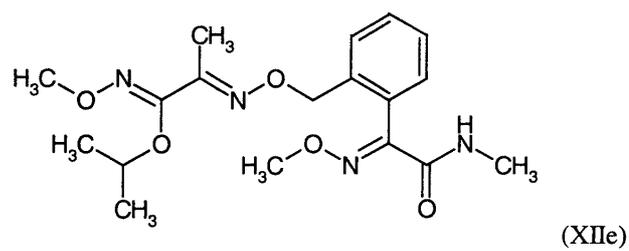
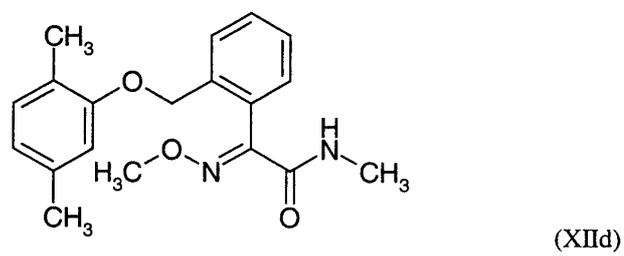
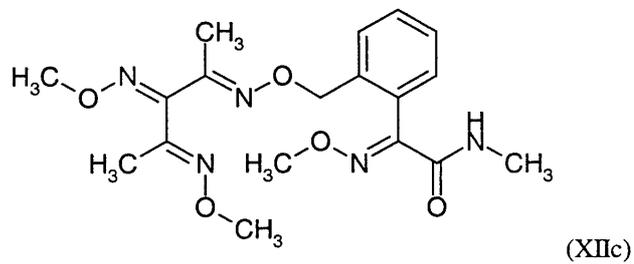
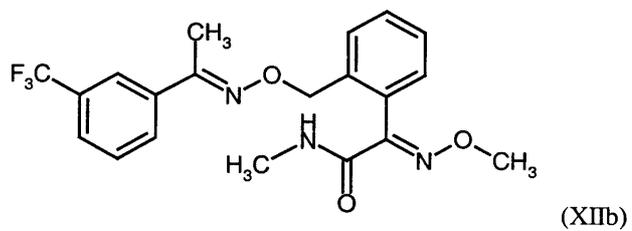
( ) (IXb)

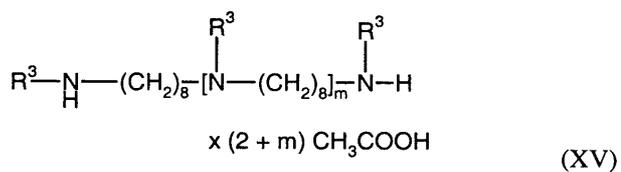
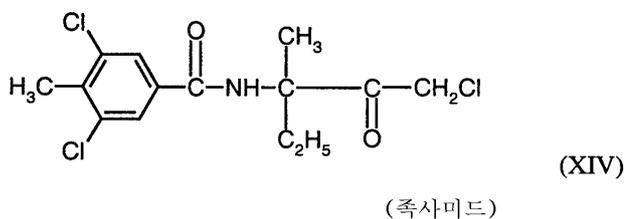
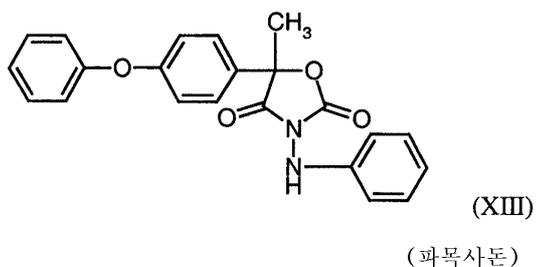
-C C-CH<sub>3</sub> ( ) (IXc) )



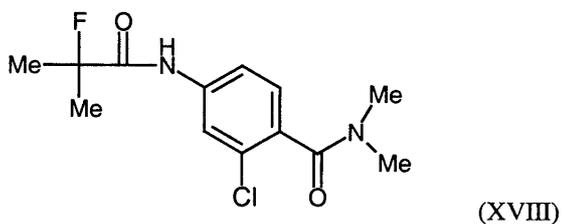
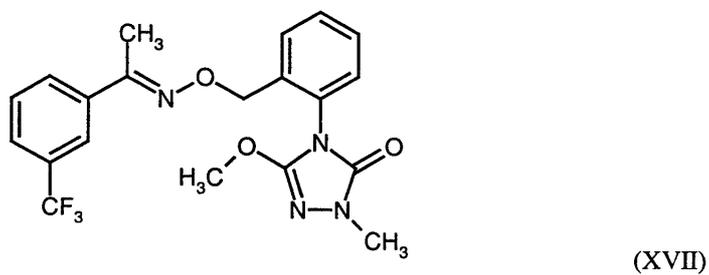
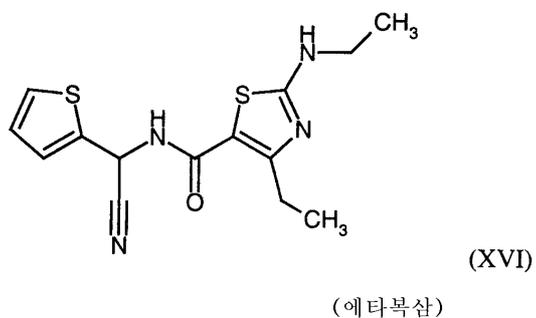
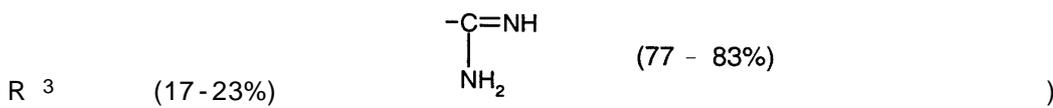
(트리플루오로벤젠)

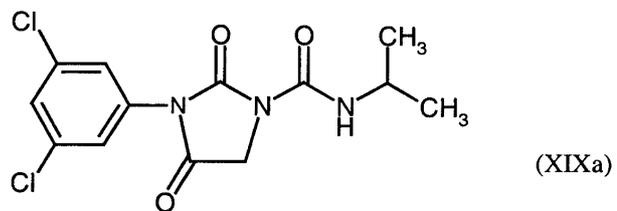




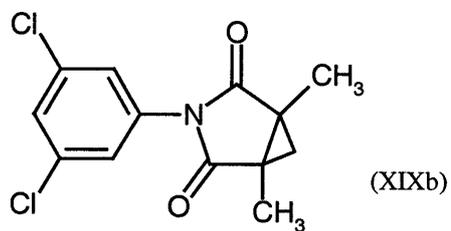


( ,  
m 0 5 ,

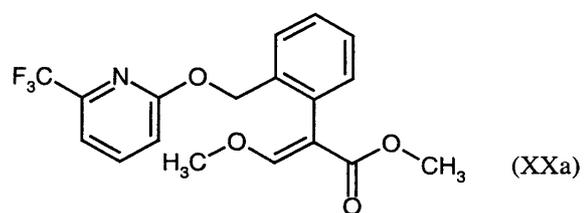




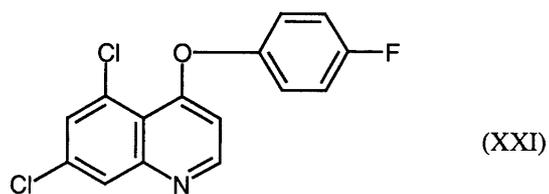
(이프루디온)



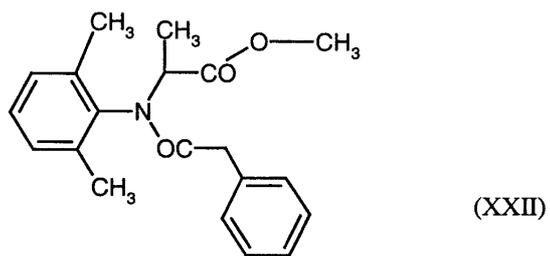
(프로사이미돈)



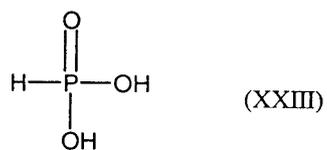
(피콕시스트로빈)

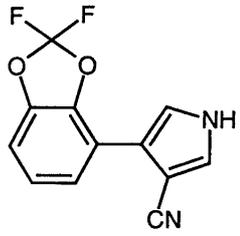


(퀴녹시펜)



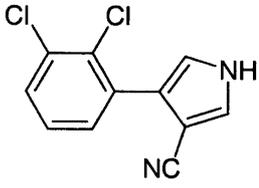
(메날락실)





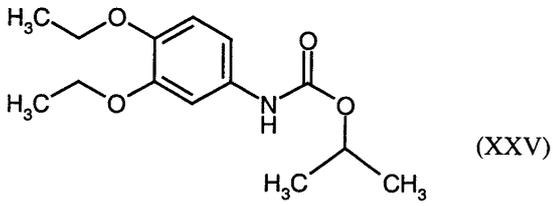
(XXIVa)

(플루디옥소닐)



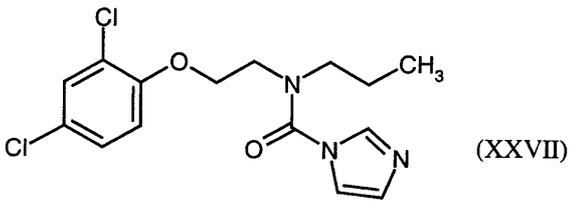
(XXIVb)

(펜피클로닐)



(XXV)

(디에토펜카브)



(XXVII)

(프로플로라즈)

(I)

-L-

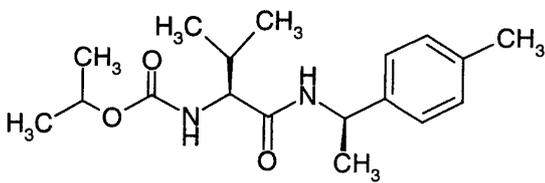
가

R(+)

(I-a)

가

:



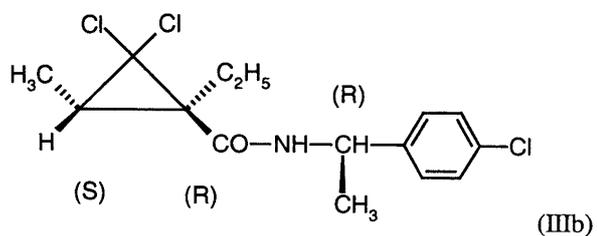
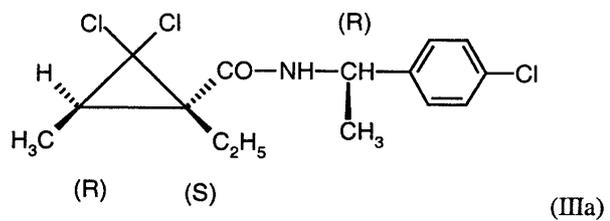
(I-a)

(III)

가

(IIIa)

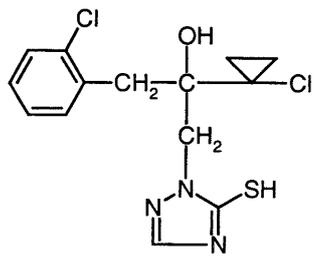
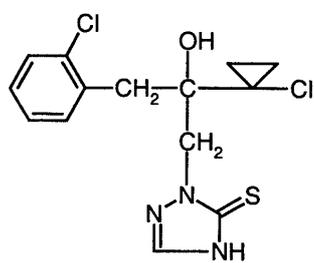
(IIIb)



(XI)

(XI)

(XIb)



(XV)

(I)

(3) (IV),

(4) (V),

(6) (VII),

(7) (VIII),

(8a) (IXa),

(8b) (IXb),

(8c) (IXc),

(9) (X),

- (10) (XI) ,
- (11d) (XIId) ,
- (12) (XIII),
- (13) (XIV),
- (14) (XV) ,
- (15) (XVI),
- (21) (XXII)
- (22) (XXIII).

(I) :

- (7) (VIII) ,
- (8a) (IXa),
- (8b) (IXb),
- (8c) (IXc),
- (9) (X),
- (11d) (XIId) ,
- (12) (XIII),
- (13) (XIV),
- (15) (XVI),
- (21) (XXII)
- (22) (XXIII).

(I-a) :

- (3) (IV),
- (4) (V),
- (6) (VII),
- (7) (VIII) ,
- (8a) (IXa),
- (8b) (IXb),
- (8c) (IXc),
- (9) (X),

- (10) (XI) ,  
 (11d) (XIId) ,  
 (12) (XIII),  
 (13) (XIV),  
 (14) (XV) ,  
 (15) (XVI),  
 (21) (XXII)  
 (22) (XXIII).

(I-a)

:

- (7) (VIII) ,  
 (8a) (IXa),  
 (8b) (IXb),  
 (8c) (IXc),  
 (9) (X),  
 (11d) (XIId) ,  
 (12) (XIII),  
 (13) (XIV),  
 (15) (XVI),  
 (21) (XXII)  
 (22) (XXIII).

,

:

- (1) (II)

a) Pesticide Manual, 11th. Ed. (1997), page 933

b) EP-A-112 284,

c) DE-A-3 042 303

d) DE-A-3 406 993

e) EP-A-68 813

f) DE-A-2551560

g) EP-A-145 294

h) DE - A - 3 721 786

i) EP - A - 234 242

(2) (III)

EP - A - 0 341 475, Pesticide Manual, 11th. Ed. (1997), page 744

(3) (IV)

Pesticide Manual, 11th. Ed. (1997), page 757

(4) (V)

EP - A - 0 339 418

(5) (VI)

EP - A - 313 512, Pesticide Manual, 11th. Ed. (1997), page 195

(6) (VII)

EP - A - 281 842, Pesticide Manual, 11th. Ed. (1997), page 746

(7) (VIII)

WO 96/01256

(8) (IX)

a) Pesticide Manual, 11th. Ed. (1997), page 1068

b) Pesticide Manual, 11th. Ed. (1997), page 319

c) Pesticide Manual, 11th. Ed. (1997), page 464

(9) (X)

EP - A - 460 575

(10) (XI)

WO 96/16 048

(11) (XII)

a) EP - A - 596 254

b) EP - A - 569 384

c) DE 19 539 324

d) DE - A - 398 692

e) WO 97/06133

f) EP - A - 811612

g) WO 96/01256

(12) (XIII)

EP-A-393 911, Pesticide Manual, 11th. Ed. (1997), page 500

(13) (XIV)

EP-A-600 629

(14) (XV)

Pesticide Manual, 11th. Ed. (1997), page 709

(15) (XVI)

EP-A-639 547

(16) (XVII)

WO 98/23155

(17) (XVIII)

WO 98/19 539

(18) (XIX)

a) DE-A-2 149 923, Pesticide Manual, 11th. Ed. (1997), page 724

b) DE-A-2 012 656, Pesticide Manual, 11th. Ed. (1997), page 1003

(19) (XX)

a) EP-A-326 330

(20) (XXI)

EP-A-278 595, Pesticide Manual, 11th. Ed. (1997), page 1083

(21) (XXII)

DE-A-2 903 612, Pesticide Manual, 11th. Ed. (1997), page 87

(22) (XXIII)

(23) (XXIV)

a) EP-A-206 999, Pesticide Manual, 11th. Ed. (1997), page 566

b) Pesticide Manual, 11th. Ed. (1997), page 522

(24) (XXV)

EP-A-078 663, Pesticide Manual, 11th. Ed. (1997), page 386

(25) (XXVI)

Pesticide Manual, 11th. Ed. (1997), page 268

(26) (XXVII)

DE-A-2 429 523, Pesticide Manual, 11th. Ed. (1997), page 1000.

(I)	,	가	(1)	(26)
		가	가	가
	(I)	1		
0.05	10	,	0.05 5	(1a) ,
0.05	10	,	0.05 5	(1b) ,
0.05	10	,	0.05 5	(1c) ,
0.05	10	,	0.05 5	(1d) ,
0.05	10	,	0.05 5	(1e) ,
0.05	10	,	0.05 5	(1f) ,
0.05	10	,	0.05 5	(1g) ,
0.05	10	,	0.05 5	(1h) ,
0.05	10	,	0.05 5	(1i) ,
0.05	10	,	0.05 5	(2) ,
0.5	100	,	0.5 50	(3) ,
0.05	10	,	0.05 5	(4) ,
0.05	10	,	0.05 5	(5) ,
0.05	10	,	0.05 5	(6) ,
0.05	10	,	0.05 5	(7) ,
0.05	10	,	0.05 5	(8) ,
0.05	10	,	0.05 5	(9) ,
0.05	10	,	0.05 5	(10) ,
0.05	10	,	0.05 5	(11a) ,
0.05	10	,	0.05 5	(11b) ,
0.05	10	,	0.05 5	(11c) ,

0.05	10	,	0.05	5	(11d)	,
0.05	10	,	0.05	5	(11e)	,
0.05	10	,	0.05	5	(11f)	,
0.05	10	,	0.05	5	(11g)	,
0.05	10	,	0.05	5	(12)	,
0.05	10	,	0.05	5	(13)	,
0.5	100	,	0.5	50	(14)	,
0.05	10	,	0.05	5	(15)	,
0.05	10	,	0.05	5	(16)	,
0.05	10	,	0.05	5	(17)	,
0.05	10	,	0.05	5	(18a)	,
0.05	10	,	0.05	5	(18b)	,
0.05	10	,	0.05	5	(19)	,
0.05	10	,	0.05	5	(20)	,
0.05	10	,	0.05	5	(21)	,
0.5	100	,	0.5	50	(22)	,
0.05	10	,	0.05	5	(23a)	,
0.05	10	,	0.05	5	(23b)	,
0.05	10	,	0.05	5	(24)	,
0.5	100	,	0.5	50	(25)	,
0.05	10	,	0.05	5	(26)	,
		(l-a)	1			
0.05	20	,	0.1	10	(1a)	,
0.05	20	,	0.1	10	(1b)	,
0.05	20	,	0.1	10	(1c)	,
0.05	20	,	0.1	10	(1d)	,
0.05	20	,	0.1	10	(1e)	,
0.05	20	,	0.1	10	(1f)	,
0.05	20	,	0.1	10	(1g)	,

0.05	20	,	0.1	10	(1h)	,
0.05	20	,	0.1	10	(1i)	,
0.05	20	,	0.1	10	(2)	,
0.5	150	,	1	100	(3)	,
0.05	20	,	0.1	10	(4)	,
0.05	20	,	0.1	10	(5)	,
0.05	20	,	0.1	10	(6)	,
0.05	20	,	0.1	10	(7)	,
0.05	20	,	0.1	10	(8)	,
0.05	20	,	0.1	10	(9)	,
0.05	20	,	0.1	10	(10)	,
0.05	20	,	0.1	10	(11a)	,
0.05	20	,	0.1	10	(11b)	,
0.05	20	,	0.1	10	(11c)	,
0.05	20	,	0.1	10	(11d)	,
0.05	20	,	0.1	10	(11e)	,
0.05	20	,	0.1	10	(11f)	,
0.05	20	,	0.1	10	(11g)	,
0.05	20	,	0.1	10	(12)	,
0.05	20	,	0.1	10	(13)	,
0.5	150	,	1	100	(14)	,
0.05	20	,	0.1	10	(15)	,
0.05	20	,	0.1	10	(16)	,
0.05	20	,	0.1	10	(17)	,
0.05	20	,	0.1	10	(18a)	,
0.05	20	,	0.1	10	(18b)	,
0.05	20	,	0.1	10	(19)	,
0.05	20	,	0.1	10	(20)	,
0.05	20	,	0.1	10	(21)	,

0.5	150	,	1	100	(22)	,
0.05	20	,	0.1	10	(23a)	,
0.05	20	,	0.1	10	(23b)	,
0.05	20	,	0.1	10	(24)	,
0.5	150	,	1	100	(25)	,
0.05	20	,	0.1	10	(26)	.

( *Plasmodiophoromycetes* ),  
 ( *Zygomycetes* ),  
 ( *Deuteromycetes* )

( *Oomycetes* ),  
 ( *Ascomycetes* ),

( *Chytridiomycetes* ),  
 ( *Basidiomycetes* ),

*lasmodiophora viticola* )

( *Phytophthora infestans* )

( *P*

가 가

( )

(transgenic)

가

(needles),

(stalk),

(stem),

가

(protoplast fusion)

(transgenic plant)

( )

가

(variety),

DNA  
(biotype)

(genotype)

( ' ' )

가( ' ' )

가

( , , , )

/ 가, / 가,

가, 가 ,

가,

가,

,

가,

/ 가 ,

가,  
/

가

가

가

가, 가 ,

( , )

가

,

가,

,

,

,

/

가

,





- f) (II f) /
- g) (II g) /
- h) (II h) /
- i) (III) /
- (2) (III) /
- (3) (IV) /
- (4) (V) /
- (5) (VI) /
- (6) (VII) /
- (7) (VIII) /
- (8) (IX) /
- (9) (X) /
- (10) (XI) /
- (11) a) (XII a) /
- b) (XII b) /
- c) (XII c) /
- d) (XII d) /
- e) (XII e) /
- f) (XII f) /
- g) (XII g) /
- (12) (XIII) /
- (13) (XIV) /
- (14) (XV) /
- (15) (XVI) /
- (16) (XVII) /
- (17) (XVIII) /
- (18) a) (XIX a) /
- b) (XIX b) /
- (19) (XX a) /

(20) (XXI) /

(21) (XXII) /

(22) (XXIII) /

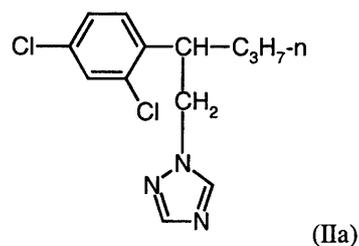
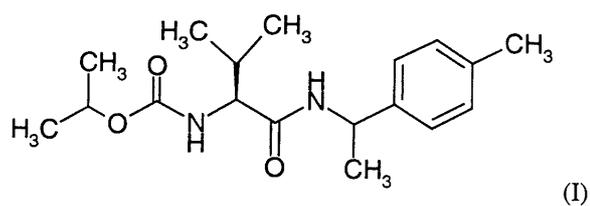
(23) a) (XXIVa) /

b) (XXIVb) /

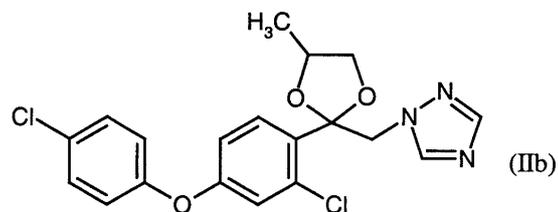
(24) (XXV) /

(25) (XXVI) /

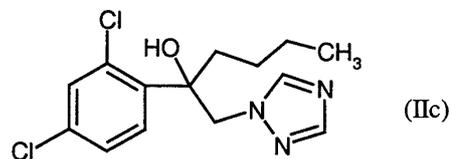
(26) (XXVII) :



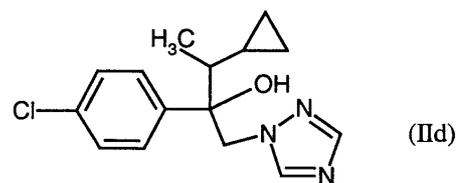
(펜코나졸)



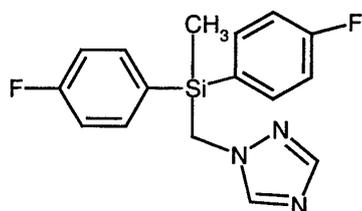
(디페노코나졸)



(헥사코나졸)

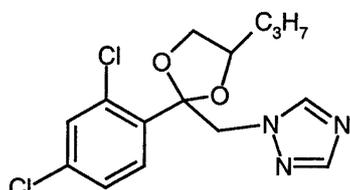


(사이프로코나졸)



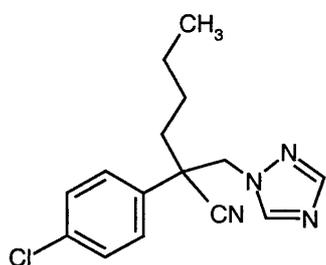
(IIe)

(플루실라졸)



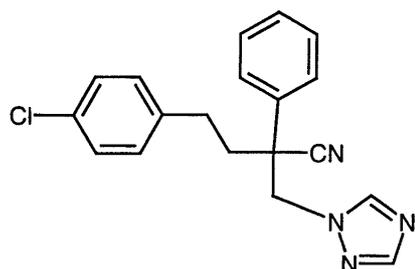
(IIf)

(프로피코나졸)



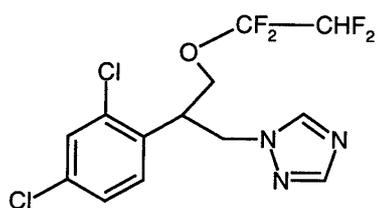
(IIg)

(마이클로부타닐)



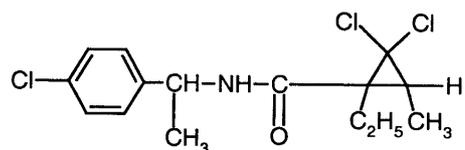
(IIh)

(웬부코나졸)



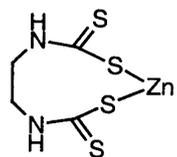
(IIi)

(테트라코나졸)



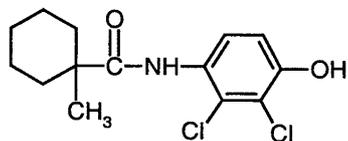
(III)

(카프로파미드)



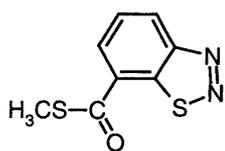
(IV)

(지네브)



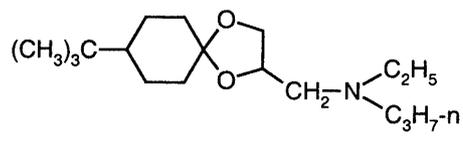
(V)

(펜헥사미드)



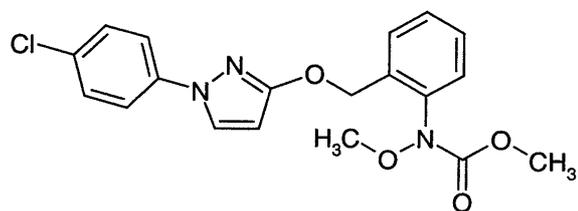
(VI)

(아시벤졸라-S-메틸)



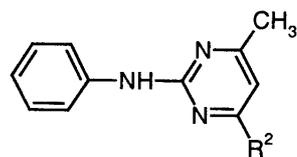
(VII)

(스피록사민)



(VIII)

(피라클로스트로빈)



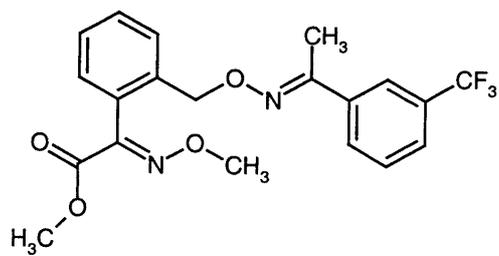
(IX)

( ,

R<sup>2</sup> ( ) (IXa),

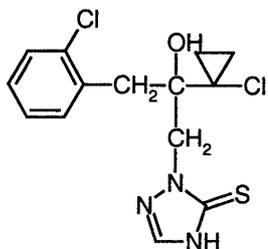
( ) (IXb)

-C C-CH<sub>3</sub> ( ) (IXc) )

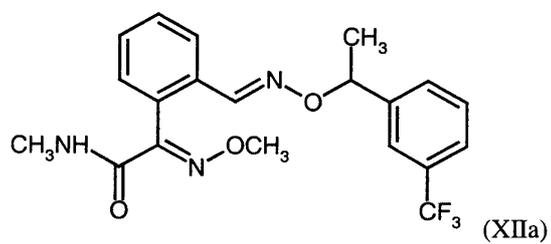


(X)

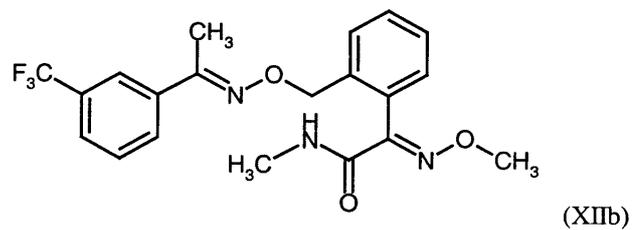
(트리플루오로벤)



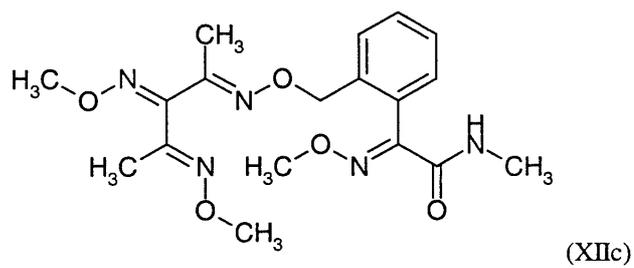
(XI)



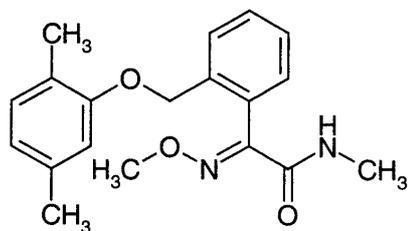
(XIIa)



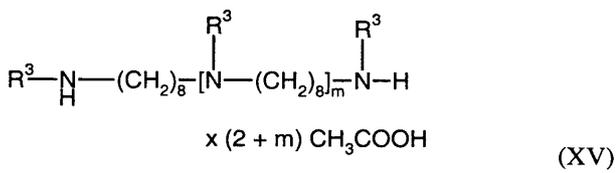
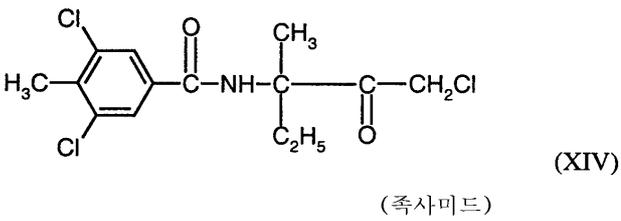
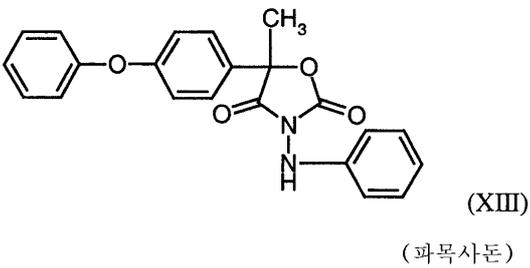
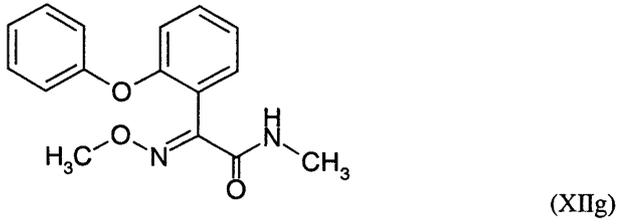
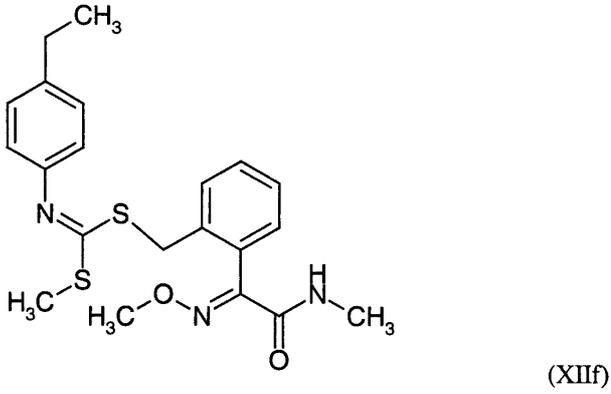
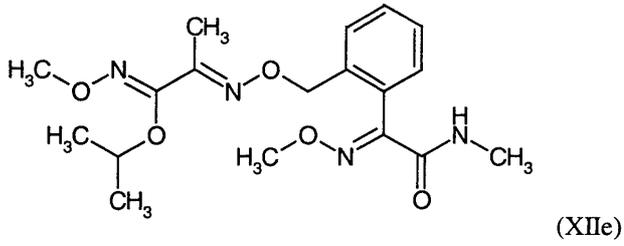
(XIIb)



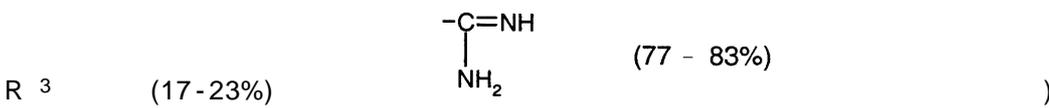
(XIIc)

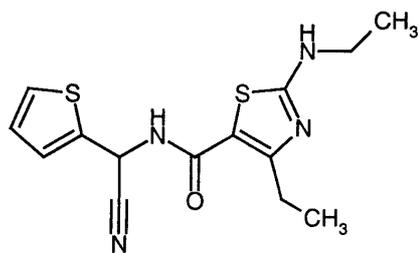


(XIIId)



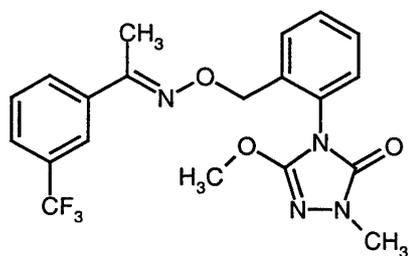
( ,  
m 0 5 ,



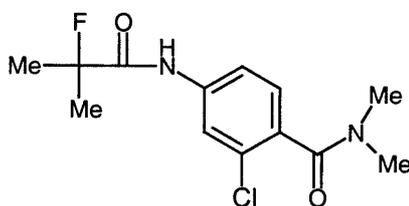


(XVI)

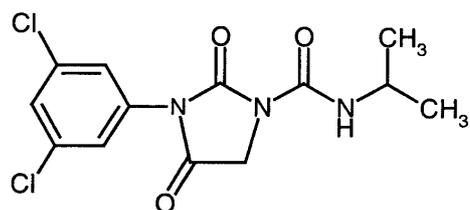
(에타복삼)



(XVII)

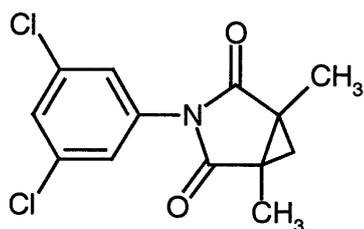


(XVIII)



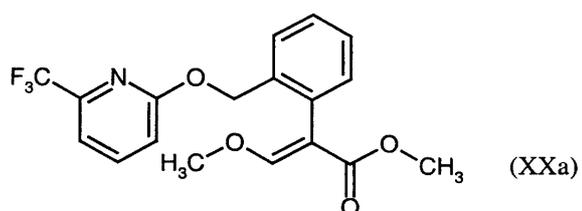
(XIXa)

(이프로디온)



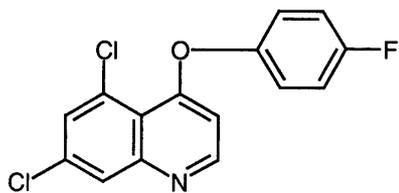
(XIXb)

(프로사이미론)



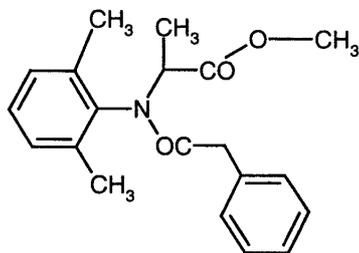
(XXa)

(피복시스트로빈)



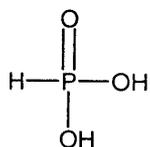
(XXI)

(퀴녹시펜)

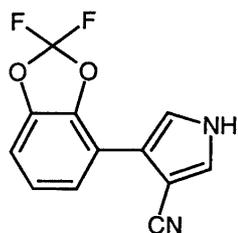


(XXII)

(베날락실)

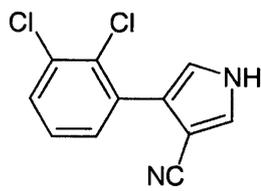


(XXIII)



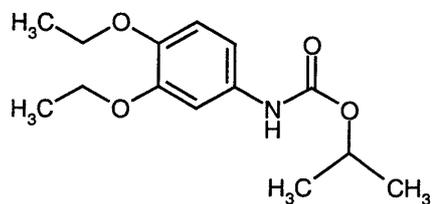
(XXIVa)

(플루디옥소닐)



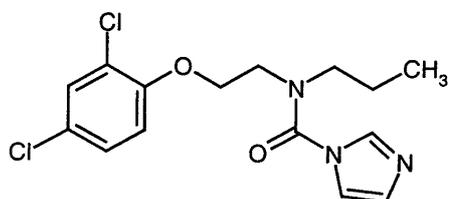
(XXIVb)

(펜피클로닐)



(XXV)

(디에토펴카브)



(XXVII)

(프로플로라즈)

**2.**

- 1                   ,           (I)
- (3)           (IV) /           ,
- (4)           (V) /           ,
- (6)           (VII) /           ,
- (7)           (VIII)           /           ,
- (8a)           (IXa) /           ,
- (8b)           (IXb) /           ,
- (8c)           (IXc) /           ,
- (9)                   (X) /           ,
- (10)           (XI)           /           ,
- (11d)           (XIId)           /           ,
- (12)           (XIII) /           ,
- (13)           (XIV) /           ,
- (14)           (XV)           /           ,
- (15)           (XVI) /           ,
- (21)           (XXII) /
- (22)           (XXIII)           .

**3.**

- 1                   ,           (I)
- (7)           (VIII)           /           ,
- (8a)           (IXa) /           ,
- (8b)           (IXb) /           ,
- (8c)           (IXc) /           ,
- (9)                   (X) /           ,
- (11d)           (XIId)           /           ,
- (12)           (XIII) /           ,
- (13)           (XIV) /           ,
- (15)           (XVI) /           ,
- (21)           (XXII) /

(22) (XXIII)

1	4.	3	,	(I)
-	(1a)	가 1:0.05	1:10	,
-	(1b)	가 1:0.05	1:10	,
-	(1c)	가 1:0.05	1:10	,
-	(1d)	가 1:0.05	1:10	,
-	(1e)	가 1:0.05	1:10	,
-	(1f)	가 1:0.05	1:10	,
-	(1g)	가 1:0.05	1:10	,
-	(1h)	가 1:0.05	1:10	,
-	(1i)	가 1:0.05	1:10	,
-	(2)	가 1:0.05	1:10	,
-	(3)	가 1:0.5	1:100	,
-	(4)	가 1:0.05	1:10	,
-	(5)	가 1:0.05	1:10	,
-	(6)	가 1:0.05	1:10	,
-	(7)	가 1:0.05	1:10	,
-	(8)	가 1:0.05	1:10	,
-	(9)	가 1:0.05	1:10	,
-	(10)	가 1:0.05	1:10	,
-	(11a)	가 1:0.05	1:10	,
-	(11b)	가 1:0.05	1:10	,
-	(11c)	가 1:0.05	1:10	,
-	(11d)	가 1:0.05	1:10	,
-	(11e)	가 1:0.05	1:10	,
-	(11f)	가 1:0.05	1:10	,
-	(11g)	가 1:0.05	1:20	,
-	(12)	가 1:0.05	1:10	,

- (13)                    가 1:0.05      1:10      ,
- (14)                    가 1:0.5        1:100     ,
- (15)                    가 1:0.05      1:10      ,
- (16)                    가 1:0.05      1:10      ,
- (17)                    가 1:0.05      1:10      ,
- (18a)                  가 1:0.05      1:10      ,
- (18b)                  가 1:0.05      1:10      ,
- (19)                    가 1:0.05      1:10      ,
- (20)                    가 1:0.05      1:10      ,
- (21)                    가 1:0.05      1:10      ,
- (22)                    가 1:0.5        1:100     ,
- (23a)                  가 1:0.05      1:10      ,
- (23b)                  가 1:0.05      1:10      ,
- (24)                    가 1:0.05      1:10      ,
- (25)                    가 1:0.5        1:100     ,
- (26)                    가 1:0.05      1:10      .

## 5.

(I-a)

(1) a)            (IIa) /

b)            (IIb) /

c)            (IIc) /

d)            (IId) /

e)            (IIe) /

f)            (IIf) /

g)            (IIg) /

h)            (IIh) /

i)            (III)                    /

(2)            (III)                    /

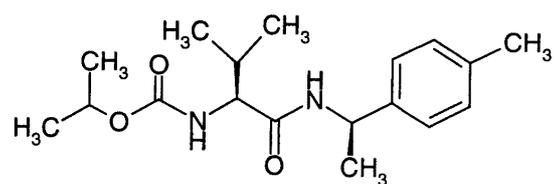
(3)            (IV)                    /

- (4) (V) /
- (5) (VI) /
- (6) (VII) /
- (7) (VIII) /
- (8) (IX) /
- (9) (X) /
- (10) (XI) /
- (11) a) (XIIa) /
- b) (XIIb) /
- c) (XIIc) /
- d) (XIId) /
- e) (XIIe) /
- f) (XIIf) /
- g) (XIIfg) /
- (12) (XIII) /
- (13) (XIV) /
- (14) (XV) /
- (15) (XVI) /
- (16) (XVII) /
- (17) (XVIII) /
- (18) a) (XIXa) /
- b) (XIXb) /
- (19) (XXa) /
- (20) (XXI) /
- (21) (XXII) /
- (22) (XXIII) /
- (23) a) (XXIVa) /
- b) (XXIVb) /
- (24) (XXV) /

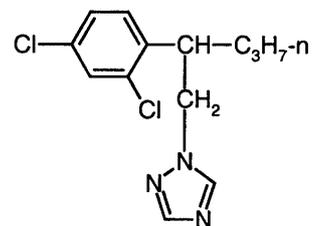
(25) (XXVI) /

(26) (XXVII)

:

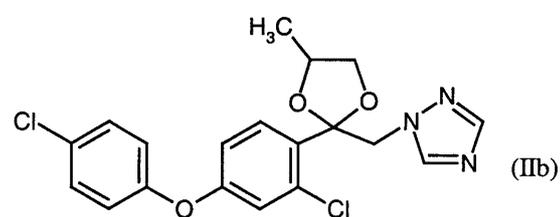


(I-a)



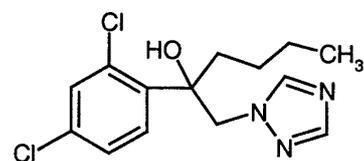
(IIa)

(펜코나졸)



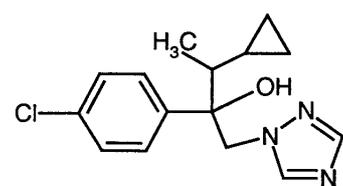
(IIb)

(디페노코나졸)



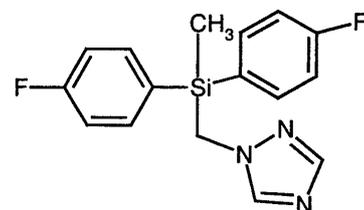
(IIc)

(헥사코나졸)



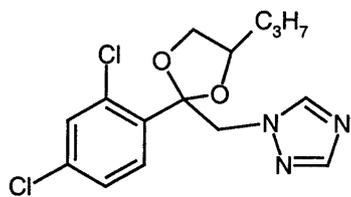
(II d)

(사이프로코나졸)

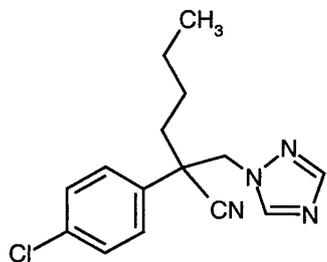


(IIe)

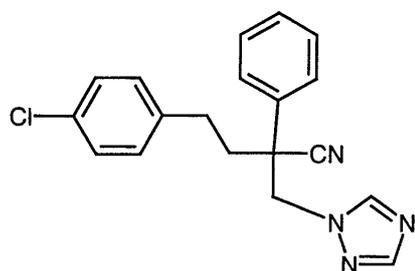
(플루실라졸)



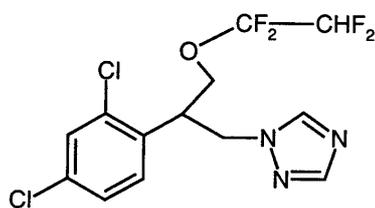
(II f)  
(프로피코나졸)



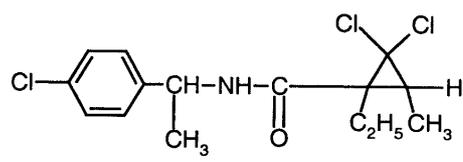
(II g)  
(마이클로부타닐)



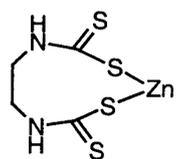
(II h)  
(벤부코나졸)



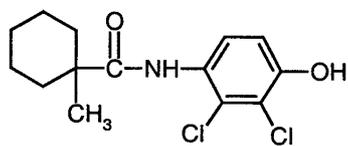
(II i)  
(테트라코나졸)



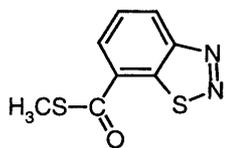
(III)  
(카프로파미드)



(IV)  
(지네브)

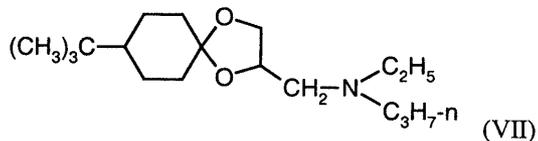


(V)  
(벤헥사미드)



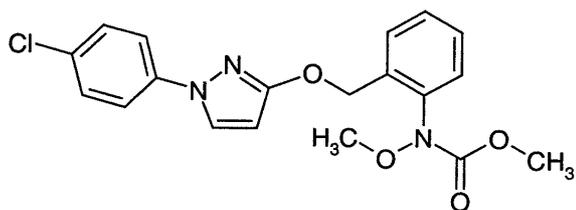
(VI)

(아시벤졸라-S-메틸)



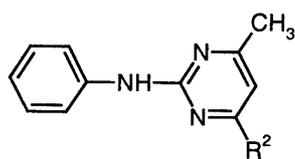
(VII)

(스피록사민)



(VIII)

(피라클로스트로빈)



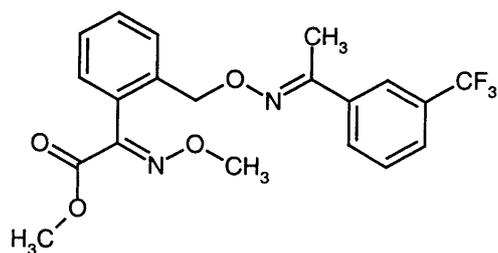
(IX)

( ) ,

R<sup>2</sup> ( ) (IXa),

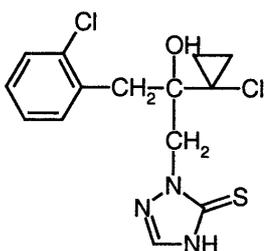
( ) (IXb)

-C C-CH<sub>3</sub> ( ) (IXc) )

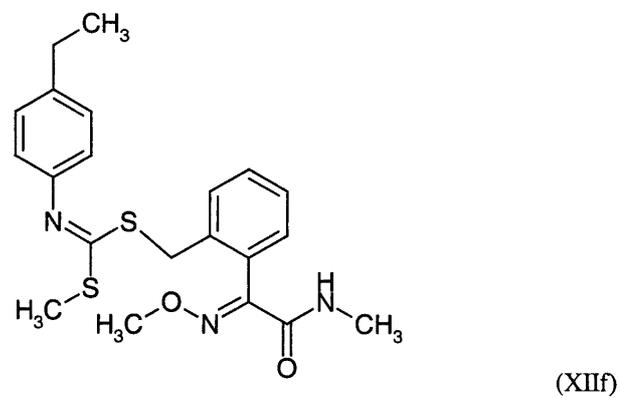
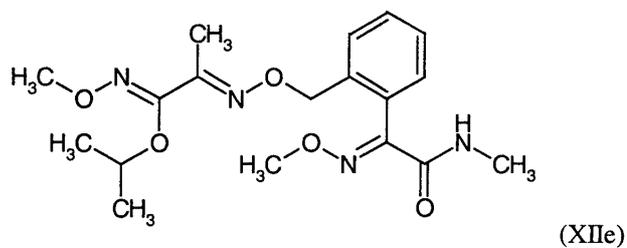
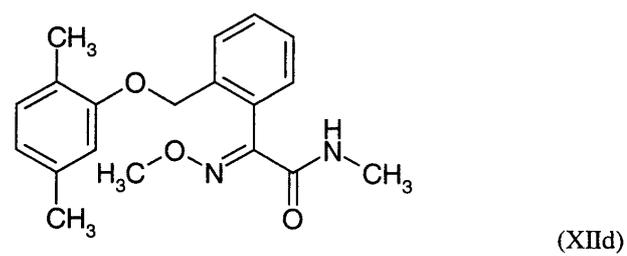
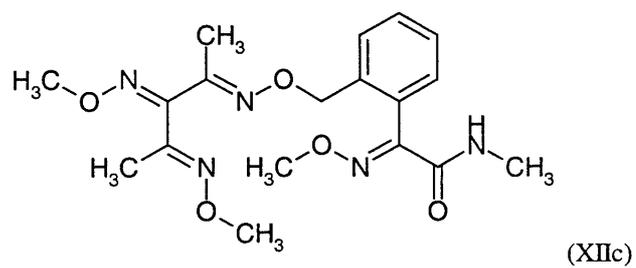
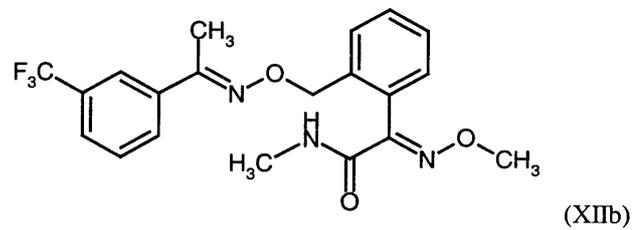
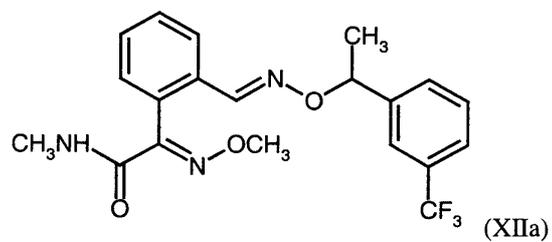


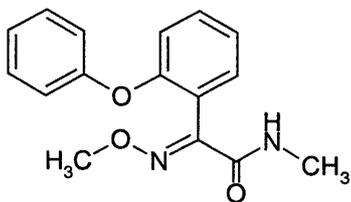
(X)

(트리플루오리스트로빈)

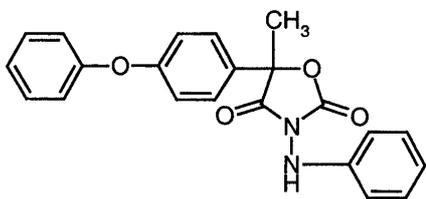


(XI)



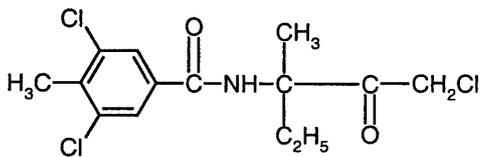


(XIIg)



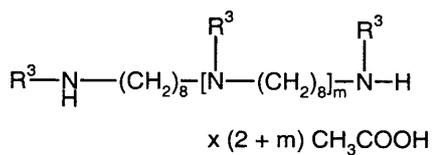
(XIII)

(파복사돈)



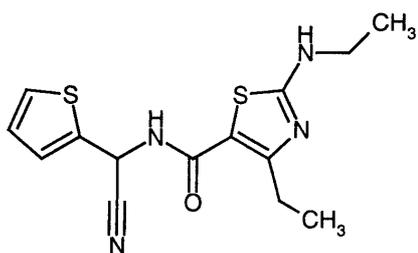
(XIV)

(족사미드)



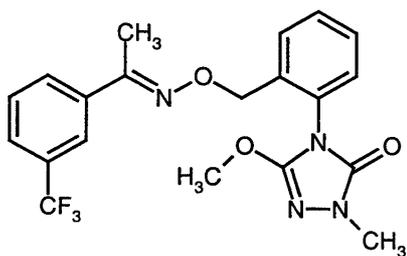
(XV)

(  
m 0 5 ,

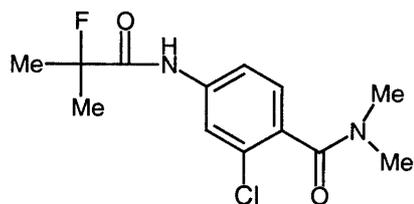


(XVI)

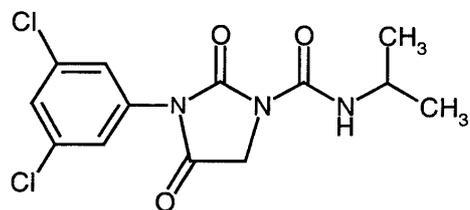
(에타복삼)



(XVII)

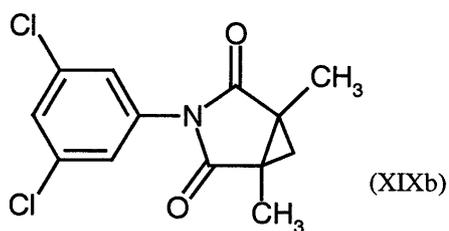


(XVIII)



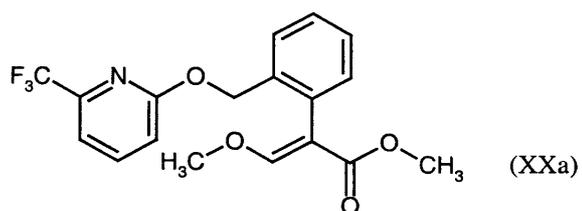
(XIXa)

(이프루디온)



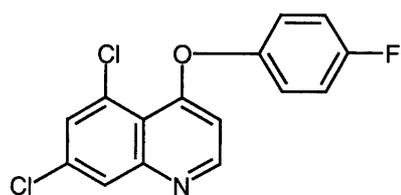
(XIXb)

(프로사이미돈)



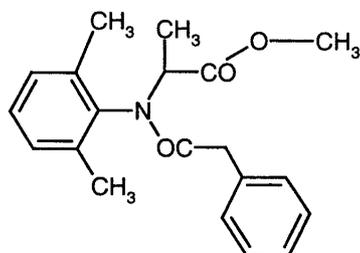
(XXa)

(피콕시스트로빈)



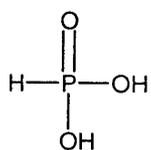
(XXI)

(퀴녹시펜)

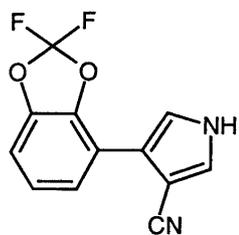


(XXII)

(메날락실)

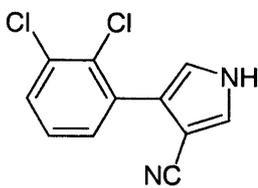


(XXIII)



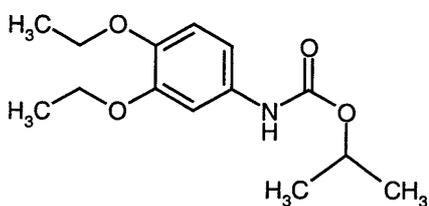
(XXIVa)

(플루디옥소닐)



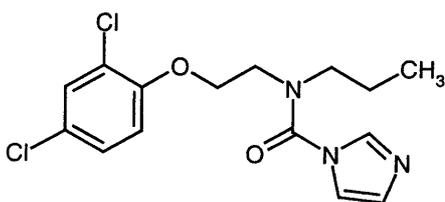
(XXIVb)

(펜피클로닐)



(XXV)

(디에토펴카브)



(XXVII)

(프로플로라즈)

## 6.

5, (I-a)

(3) (IV) / ,

(4) (V) / ,

(6) (VII) / ,

(7) (VIII) / ,

(8a) (IXa) / ,

(8b) (IXb) / ,

(8c) (IXc) / ,

(9) (X) / ,

(10) (XI) / ,

(11d) (XIId) / ,

- (12) (XIII) / ,
- (13) (XIV) / ,
- (14) (XV) / ,
- (15) (XVI) / ,
- (21) (XXII) /
- (22) (XXIII) .

**7.**

- 5 (I-a)
- (7) (VIII) / ,
- (8a) (IXa) / ,
- (8b) (IXb) / ,
- (8c) (IXc) / ,
- (9) (X) / ,
- (11d) (XIId) / ,
- (12) (XIII) / ,
- (13) (XIV) / ,
- (15) (XVI) / ,
- (21) (XXII) /
- (22) (XXIII) .

**8.**

- 5 7 (I-a)
- (1a) 가 1:0.05 1:20 ,
- (1b) 가 1:0.05 1:20 ,
- (1c) 가 1:0.05 1:20 ,
- (1d) 가 1:0.05 1:20 ,
- (1e) 가 1:0.05 1:20 ,
- (1f) 가 1:0.05 1:20 ,
- (1g) 가 1:0.05 1:20 ,
- (1h) 가 1:0.05 1:20 ,
- (1i) 가 1:0.05 1:20 ,

- (2) 가 1:0.05 1:20 ,
- (3) 가 1:0.5 1:150 ,
- (4) 가 1:0.05 1:20 ,
- (5) 가 1:0.05 1:20 ,
- (6) 가 1:0.05 1:20 ,
- (7) 가 1:0.05 1:20 ,
- (8) 가 1:0.05 1:20 ,
- (9) 가 1:0.05 1:20 ,
- (10) 가 1:0.05 1:20 ,
- (11a) 가 1:0.05 1:20 ,
- (11b) 가 1:0.05 1:20 ,
- (11c) 가 1:0.05 1:20 ,
- (11d) 가 1:0.05 1:20 ,
- (11e) 가 1:0.05 1:20 ,
- (11f) 가 1:0.05 1:20 ,
- (11g) 가 1:0.05 1:20 ,
- (12) 가 1:0.05 1:20 ,
- (13) 가 1:0.05 1:20 ,
- (14) 가 1:0.5 1:150 ,
- (15) 가 1:0.05 1:20 ,
- (16) 가 1:0.05 1:20 ,
- (17) 가 1:0.05 1:20 ,
- (18a) 가 1:0.05 1:20 ,
- (18b) 가 1:0.05 1:20 ,
- (19) 가 1:0.05 1:20 ,
- (20) 가 1:0.05 1:20 ,
- (21) 가 1:0.05 1:20 ,
- (22) 가 1:0.5 1:150 ,
- (23a) 가 1:0.05 1:20 ,

