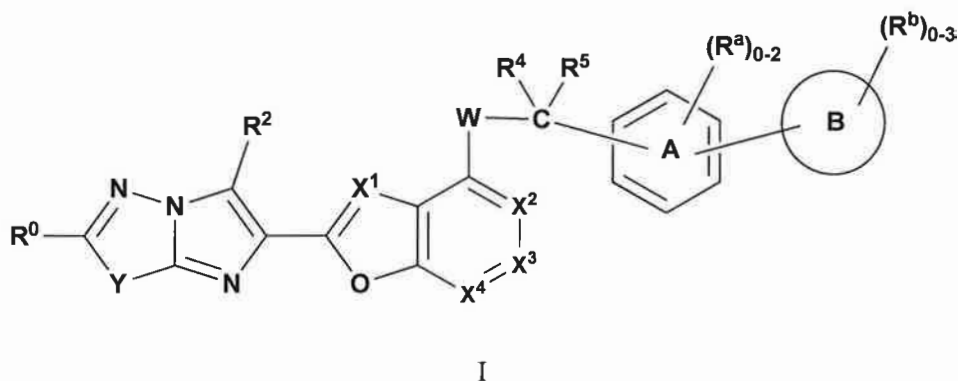


WHAT IS CLAIMED IS:

1. A compound of Formula I:



or a stereoisomer, tautomer, pharmaceutically acceptable salt, solvate or prodrug thereof, wherein:

W is O or S;

R^0 is H or R^1 or R^{1a} ;

Y is S or $-CR^8=CR^9-$;

R^1 is independently selected from the group consisting of:

halo,

C_1 - C_4 alkyl,

C_2 - C_3 alkenyl,

C_2 - C_3 alkynyl,

C_3 - C_4 cycloalkyl,

C_1 - C_4 alkoxy,

C_1 - C_2 alkoxy- C_1 - C_2 alkyl,

tetrahydrofuran-2-yl;

C_1 - C_4 alkylthio,

C_1 - C_4 alkylNH-,

$(C_1$ - C_4 alkyl) $_2$ N-,

halo- C_1 - C_2 -alkyl, which contains 1 to 5 halogens, where halo is F or Cl,

halo- C_3 - C_4 cycloalkyl,

halo- C_1 - C_2 alkoxy, and

halo-C₁-C₂ alkylthio;

R^{1a} is independently selected from the group consisting of:

H;

halo;

C₁-C₄ alkyl;

C₂-C₃ alkenyl;

C₂-C₃ alkynyl;

C₃-C₄ cycloalkyl;

C₁-C₄ alkoxy;

C₁-C₂ alkoxy-C₁-C₂ alkyl;

tetrahydrofuran-2-yl;

C₁-C₄ alkylthio;

C₁-C₄ alkylNH-

(C₁-C₄ alkyl)₂N-

halo-C₁-C₂ alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

halo-C₃-C₄ cycloalkyl;

halo-C₁-C₂ alkoxy; and

halo-C₁-C₂ alkylthio;

R⁸ and R⁹ are independently selected from the group consisting of:

H,

halo,

C₁-C₄ alkyl,

C₁-C₄ alkoxy,

halo-C₁-C₂ alkyl,

halo-C₁-C₂ alkoxy,

CN, and

OH;

provided that at least one of R^{1a}, R⁰, R⁸ and R⁹ is other than H;

R² is selected from the group consisting of:

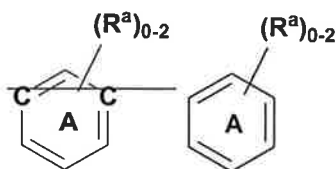
H,
halo,
C₁-C₄ alkyl,
C₁-C₄ alkoxy, and
cyano;

X¹ is selected from the group consisting of CH, N or CR¹⁰;

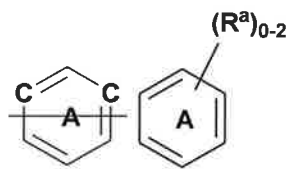
X², X³ and X⁴ are independently selected from CR³ or N;

R³ is selected from the group consisting of H, C₁-C₄ alkyl, C₂-C₄ alkenyl, C₂-C₄ alkynyl, C₁-C₄ alkoxy, C₁-C₄ alkylthio, halo, OH, CN, OCF₃, OCHF₂, OCH₂F, C₁-C₂-alkoxy-C₁-C₂-alkoxy, halo-C₁-C₃-alkyl, which contains 1 to 5 halogens, benzyloxy substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano, and -(CH₂)_n¹-phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano;

R⁴ and R⁵ are independently selected from H, C₁-C₆ alkyl, halo-C₁-C₃ alkyl, hydroxy-C₁-C₃ alkyl, and C₁-C₃ alkoxy-C₁-C₃ alkyl; or R⁴ and R⁵ can be taken together with the carbon to which they are attached to form a C₃-C₇ cycloalkyl ring;



is phenyl or a 6-membered heteroaryl ring, at least one ring member



of which is a nitrogen, which ring is substituted with 0 to 2 R^a groups;

B is selected from the group consisting of a C₆-C₁₀ aryl, a 5- to 10-membered heteroaryl, a 4- to 10-membered heterocyclyl containing carbon atoms and 1 to 4 additional heteroatoms selected from N, O, and S, and a C₃-C₈ cycloalkyl which may contain unsaturation, all of which are substituted by 0 to 3 R^b groups;

R^{14} is independently, at each occurrence, selected from the group consisting of H, C_1-C_6 alkyl, halo- C_1-C_4 -alkyl, C_1-C_4 -alkoxycarbonylamino, (C_6-C_{10} arylcarbonylamino), (a 5- to 10-membered heteroarylcarbonylamino) and $-(CH_2)_n^1$ phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C_1-C_4 alkoxy, C_1-C_4 alkyl, cyclopropyl, CF_3 , OCF_3 , 5- or 6-membered heteroaryl, OH, $OCHF_2$, di- C_1-C_4 -alkylamino, and cyano,

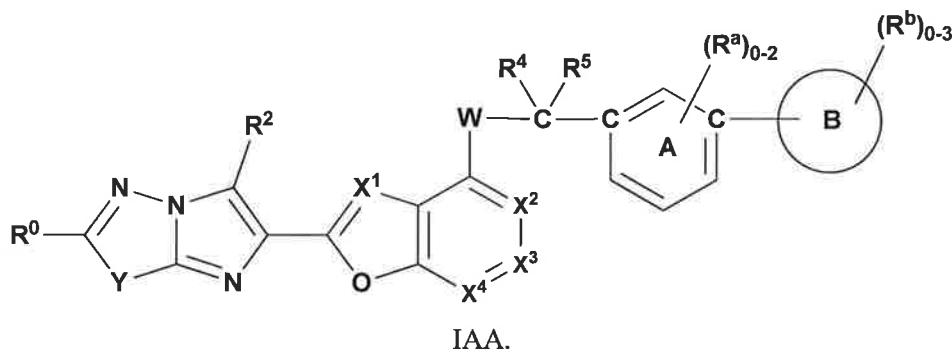
R^{10} is selected from the group consisting of C_1-C_4 alkyl, halo, C_1-C_4 alkoxy, and halo- C_1-C_2 -alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

n^1 , at each occurrence, is selected from 0, 1, 2, 3, 4 or 5; and

p, at each occurrence, is selected from 0, 1 and 2.

2. The compound as defined in Claim 1, wherein the compound is a compound of formula

IAA:

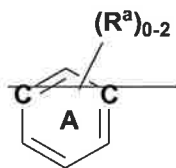


3. The compound as defined in any one of claims 1 to 2 wherein:

W is O;

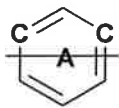
R^0 is H or R^1 or R^{1a} ;

Y is S or $-CR^8=CR^9-$;

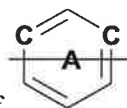


Ring marked A is phenyl or a 6-membered heteroaryl ring, at least one ring

member of which is a nitrogen, which



ring A is substituted with 0 to 2 R^a groups;



is attached at the meta position of said ring A and is selected from the group consisting of C₆-C₁₀ aryl ring, a 5- to 10-membered heteroaryl ring, a 4- to 10-membered heterocyclyl

ring or a C₃-C₆-membered cycloalkyl ring, wherein each  rings is substituted with 0 to 3 R^b groups;

5 R¹ is selected from the group consisting of:

halo,

C₁-C₄ alkyl,

C₁-C₄ alkoxy,

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl, and C₁-C₄

10 alkylthio;

~~R^{1a} is selected from the group consisting of:~~

~~H,~~

~~halo,~~

15 ~~C₁-C₄ alkyl,~~

~~C₁-C₄ alkoxy,~~

~~halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, and~~

~~C₁-C₄ alkylthio;~~

20 R⁸ and R⁹ are independently selected from the group consisting of:

H,

C₁-C₄ alkyl,

halo,

C₁-C₄ alkoxy,

25 CF₃,

CF₃O,

CHF₂, and

OH;

30

provided that at least one of R^{1a} , R^0 , R^8 and R^9 is other than H;

R^2 is selected from the group consisting of:

H,
halo,
 C_1 - C_4 alkyl,
 C_1 - C_4 alkoxy, and
cyano;

X^1 is selected from the group consisting of CH, N or CR^{10} ;

X^2 , X^3 and X^4 are independently selected from CR^3 or N;

R^3 is selected from the group consisting of H, C_1 - C_4 alkoxy, halo, CF_3O , CHF_2O , and halo- C_1 - C_2 -alkyl, which contains 1 to 5 halogens;

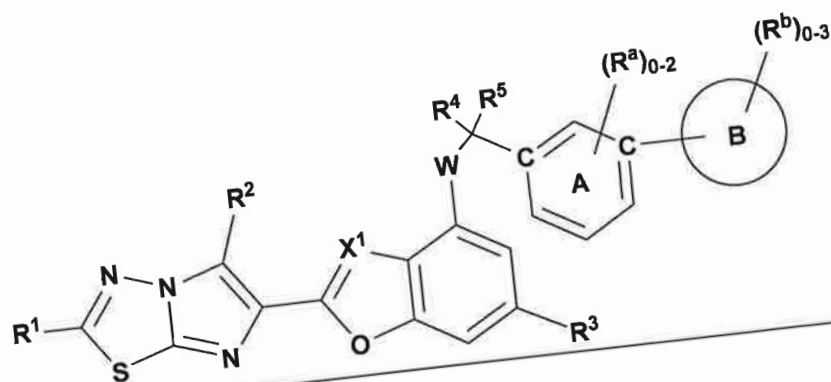
R^4 and R^5 are independently selected from H and C_1 - C_6 alkyl, or R^4 and R^5 can be taken together with the carbon to which they are attached to form a C_3 - C_6 cycloalkyl ring;

R^a is, at each occurrence, independently selected from the group consisting of:

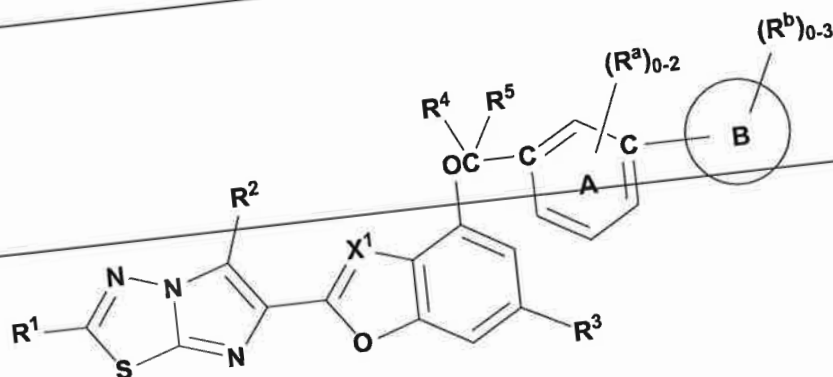
H, halo, OCF_3 , NR^6R^7 , $OCHF_2$, halo- C_1 - C_2 -alkyl substituted with 1 to 5 fluorines, CF_3 ,
 C_1 - C_4 alkyl,
 C_1 - C_4 alkoxy,
 C_1 - C_4 alkylthio,
OH,
CN,
 NO_2 ,
COOH,
 C_1 - C_4 alkoxycarbonyl,
 $C(=O)NR^6R^7$,
 C_1 - C_4 alkylsulfonyl, and
 $S(=O)_2NR^6R^7$;

R^b is, at each occurrence, independently selected from the group consisting of:

IA

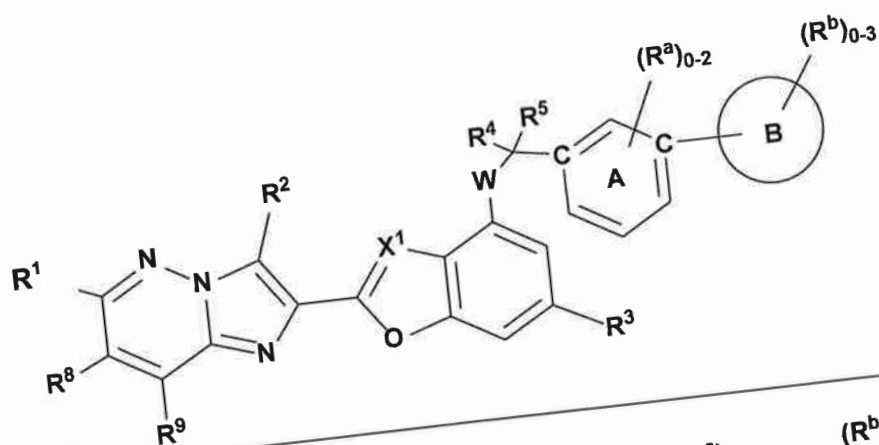


IA

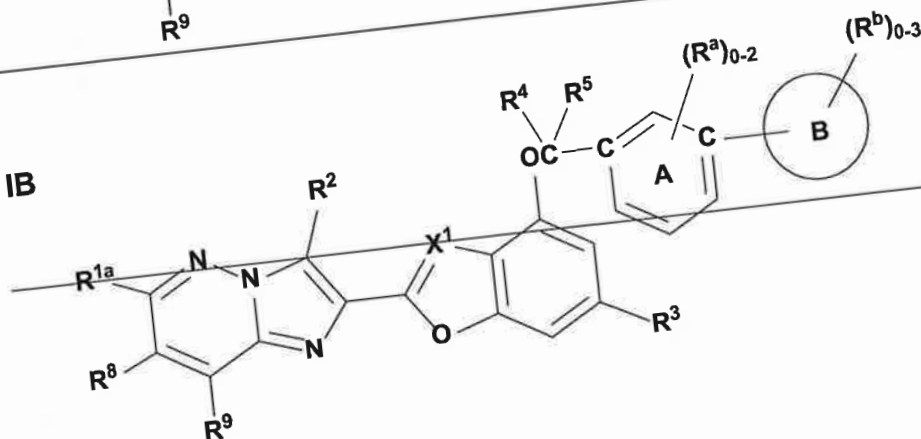


or

IB



IB



5. The compound as defined in any one of claims 1 to 4 wherein:

W is O or S;

R^0 is H or R^1 ~~or R^{1a}~~ ;

5 Y is S or $-CR^8=CR^9-$;

R^1 is independently selected from the group consisting of:

halo,

C₁-C₄ alkyl,

10 C₂-C₃ alkenyl,

C₂-C₃ alkynyl,

C₃-C₄ cycloalkyl,

C₁-C₄ alkoxy,

C₁-C₂ alkoxy-C₁-C₂ alkyl,

15 tetrahydrofuran-2-yl;

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,

halo-C₃-C₄ cycloalkyl, and

halo-C₁-C₂ alkoxy;

~~R^{1a} is independently selected from the group consisting of:~~

~~H,~~

~~halo,~~

~~C₁-C₄ alkyl,~~

~~C₂-C₃ alkenyl,~~

~~C₂-C₃ alkynyl,~~

~~C₃-C₄ cycloalkyl,~~

~~C₁-C₄ alkoxy,~~

~~C₁-C₂ alkoxy-C₁-C₂ alkyl,~~

~~tetrahydrofuran-2-yl;~~

~~halo-C₁-C₂ alkyl, which contains 1 to 5 halogens, where halo is F or Cl,~~

~~halo-C₃-C₄ cycloalkyl, and~~

~~halo-C₁-C₂ alkoxy;~~

R⁸ and R⁹ are independently selected from the group consisting of:

H,

halo,

C₁-C₄ alkyl,

C₁-C₄ alkoxy,

halo-C₁-C₂ alkyl,

halo-C₁-C₂ alkoxy, and

OH;

provided that at least one of ~~R^{1a}~~, ~~R^o~~, R⁸ and R⁹ is other than H;

R² is selected from the group consisting of:

H,

halo,

C₁-C₄ alkyl, and

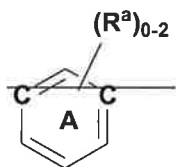
C₁-C₄ alkoxy;

X¹ is selected from the group consisting of CH, N or CR¹⁰;

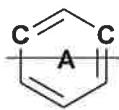
X^2 , X^3 and X^4 are independently selected from CR^3 or N;

R^3 is selected from the group consisting of H, C_1 - C_4 alkyl, C_2 - C_4 alkenyl, C_2 - C_4 alkynyl, C_1 - C_4 alkoxy, C_1 - C_4 alkylthio, halo, OH, CN, OCF_3 , $OCHF_2$, OCH_2F , C_1 - C_2 -alkoxy- C_1 - C_2 -alkoxy, and halo- C_1 - C_3 -alkyl, which contains 1 to 5 halogens, benzyloxy substituted by 0 to 3 groups independently selected from the group consisting of halo, C_1 - C_4 alkoxy, C_1 - C_4 alkyl, cyclopropyl, CF_3 , OCF_3 , 5- or 6-membered heteroaryl, OH, $OCHF_2$, di- C_1 - C_4 -alkylamino, and cyano, and $-(CH_2)_n$ -phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C_1 - C_4 alkoxy, C_1 - C_4 alkyl, cyclopropyl, CF_3 , OCF_3 , 5- or 6-membered heteroaryl, OH, $OCHF_2$, di- C_1 - C_4 -alkylamino, and cyano;

R^4 and R^5 are independently selected from H, C_1 - C_6 alkyl, halo- C_1 - C_3 alkyl, hydroxy- C_1 - C_3 alkyl, and C_1 - C_3 alkoxy- C_1 - C_3 alkyl, or R^4 and R^5 can be taken together with the carbon to which they are attached to form a C_3 - C_7 cycloalkyl ring;



Ring marked A is phenyl or a 6-membered heteroaryl ring, at least one ring



member of which is a nitrogen, which ring A is substituted with 0 to 2 R^a groups;

B is selected from the group consisting of a C_6 - C_{10} aryl, a 5- to 10-membered heteroaryl, a 4- to 10-membered heterocyclyl containing carbon atoms and 1 to 4 additional heteroatoms selected from N, O, and S, and a C_3 - C_8 cycloalkyl which may contain unsaturation, all of which are substituted by 0 to 3 R^b groups;

R^a , at each occurrence, is independently selected from the group consisting of H, halo, halo- C_1 - C_4 alkoxy, OH, CN, NO_2 , NR^6R^7 , $COOH$, C_1 - C_4 alkoxy, C_1 - C_4 alkylthio, C_1 - C_4 alkoxycarbonyl, $(C=O)NR^6R^7$, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, C_1 - C_4 alkylsulfonyl, C_1 - C_4 alkylsulfinyl, $S(=O)_2NR^6R^7$, and C_1 - C_5 alkyl substituted by 0 to 7 groups independently selected from halo, CF_3 , OCF_3 , OH, hydroxy- C_1 - C_4 -alkyl, C_1 - C_4 alkoxy, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, di- C_1 - C_4 -alkylaminophenyl- C_1 - C_4 -alkyl, (di- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl)- C_1 - C_4 -alkyl, di- C_1 - C_4 -alkylamino, C_3 - C_6 -cycloalkyl, phenyl, and C_1 - C_4 alkylthio;

R^b , at each occurrence, is independently selected from the group consisting of H, halo, halo- C_1 - C_4 alkoxy, OH, CN, NO_2 , NR^6R^7 , $COOH$, C_1 - C_4 alkoxy, C_1 - C_4 alkylthio, C_1 - C_4 alkoxycarbonyl, $(C=O)NR^6R^7$, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, C_1 - C_4 alkylsulfonyl, C_1 - C_4 alkylsulfinyl, $S(=O)_2NR^6R^7$, $N(R^{13})(C=O)NR^6R^7$, $N(R^{13})(C=O)OR^{14}$,

hydroxy-C₁-C₄-alkyl,
cyano-C₁-C₄-alkyl,
C₁-C₄-alkoxy-C₁-C₄-alkyl,
C₁-C₄-alkoxycarbonyl-C₁-C₄-alkyl,
C₁-C₄-alkoxycarbonyl,
C₁-C₄-alkylcarbonyl,
phenylcarbonyl; and

alternatively, R⁶ and R⁷, when attached to the same nitrogen, combine to form a 4- to 6-membered heterocyclic ring containing carbon atoms substituted by 0 to 3 groups independently selected from the group consisting of halo, CF₃, CHF₂, OCF₃, OCHF₂, OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N, NR¹³, O and S(O)_p;

R¹³ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl and -(CH₂)phenyl;

R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl, halo-C₁-C₄-alkyl, C₁-C₄-alkoxycarbonylamino, (C₆-C₁₀ arylcarbonylamino), and -(CH₂)_n¹phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano,

R¹⁰ is selected from the group consisting of C₁-C₄ alkyl, halo, C₁-C₄ alkoxy, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

n¹, at each occurrence, is selected from 0, 1, 2, 3, 4 or 5; and

p, at each occurrence, is selected from 0, 1 and 2.

6. The compound as defined in any one of claims 1 to 5 wherein:

W is O or S;

R⁰ is H or R¹ or R^{1a};

Y is S or -CR⁸=CR⁹-;

R¹ is independently selected from the group consisting of:

halo,

C₁-C₄ alkyl,
 C₂-C₃ alkenyl,
 C₂-C₃ alkynyl,
 C₃-C₄ cycloalkyl,
 5 C₁-C₄ alkoxy,
 C₁-C₂ alkoxy-C₁-C₂ alkyl,
 tetrahydrofuran-2-yl;
 C₁-C₄ alkylthio,
 halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,
 10 halo-C₃-C₄ cycloalkyl,
 halo-C₁-C₂ alkoxy, and
 halo-C₁-C₂ alkylthio;

~~R^{1a} is independently selected from the group consisting of:~~
 15 H,
 halo,
 C₁-C₄ alkyl,
 C₂-C₃ alkenyl,
 C₂-C₃ alkynyl,
 20 C₃-C₄ cycloalkyl,
 C₁-C₄ alkoxy,
 C₁-C₂ alkoxy-C₁-C₂ alkyl,
 tetrahydrofuran-2-yl;
 C₁-C₄ alkylthio,
 25 halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,
 halo-C₃-C₄ cycloalkyl,
 halo-C₁-C₂ alkoxy, and
 halo-C₁-C₂ alkylthio;

30 R⁸ and R⁹ are independently selected from the group consisting of:
 H,
 halo,

C₁-C₄ alkyl,
C₁-C₄ alkoxy,
halo-C₁-C₂ alkyl, and
halo-C₁-C₂ alkoxy;

5

provided that at least one of R^{1a}, R⁸ and R⁹ is other than H;

R² is selected from the group consisting of:

H,
halo,
C₁-C₃ alkyl, and
C₁-C₂ alkoxy;

10

X¹ is selected from the group consisting of CH, N or CR¹⁰;

15

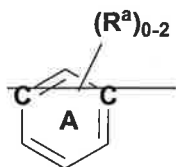
X², X³ and X⁴ are independently selected from CR³ or N;

R³ is selected from the group consisting of H, C₁-C₄ alkyl, C₂-C₄ alkenyl, C₂-C₄ alkynyl, C₁-C₄ alkoxy, C₁-C₄ alkylthio, halo, OH, CN, OCF₃, OCHF₂, OCH₂F, C₁-C₂-alkoxy-C₁-C₂-alkoxy, and halo-C₁-C₃-alkyl, which contains 1 to 5 halogens, benzyloxy substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano, and -(CH₂)_n¹-phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano;

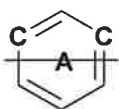
20

R⁴ and R⁵ are independently selected from H, C₁-C₆ alkyl, halo-C₁-C₃ alkyl, hydroxy-C₁-C₃ alkyl, and C₁-C₃ alkoxy-C₁-C₃ alkyl, or R⁴ and R⁵ can be taken together with the carbon to which they are attached to form a C₃-C₇ cycloalkyl ring;

25



Ring marked A is phenyl or a 6-membered heteroaryl ring, at least one ring



member of which is a nitrogen, which ring A is substituted with 0 to 2 R^a groups;

B is selected from the group consisting of a C_6 - C_{10} aryl, a 5- to 10-membered heteroaryl, a 4- to 10-membered heterocyclyl containing carbon atoms and 1 to 4 additional heteroatoms selected from N, O, and S, and a C_3 - C_8 cycloalkyl which may contain unsaturation, all of which are substituted by 0 to 3 R^b groups;

R^a , at each occurrence, is independently selected from the group consisting of H, halo, halo- C_1 - C_4 alkoxy, OH, CN, NO_2 , NR^6R^7 , $COOH$, C_1 - C_4 alkoxy, C_1 - C_4 alkylthio, C_1 - C_4 alkoxycarbonyl, $(C=O)NR^6R^7$, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, C_1 - C_4 alkylsulfonyl, C_1 - C_4 alkylsulfinyl, $S(=O)_2NR^6R^7$, and C_1 - C_5 alkyl substituted by 0 to 7 groups independently selected from halo, CF_3 , OCF_3 , OH, hydroxy- C_1 - C_4 -alkyl, C_1 - C_4 alkoxy, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, di- C_1 - C_4 -alkylaminophenyl- C_1 - C_4 -alkyl, (di- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl)- C_1 - C_4 -alkyl, di- C_1 - C_4 -alkylamino, C_3 - C_6 -cycloalkyl, phenyl, and C_1 - C_4 alkylthio;

R^b , at each occurrence, is independently selected from the group consisting of H, halo, halo- C_1 - C_4 alkoxy, OH, CN, NO_2 , NR^6R^7 , $COOH$, C_1 - C_4 alkoxy, C_1 - C_4 alkylthio, C_1 - C_4 alkoxycarbonyl, $(C=O)NR^6R^7$, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, C_1 - C_4 alkylsulfonyl, C_1 - C_4 alkylsulfinyl, $S(=O)_2NR^6R^7$, $N(R^{13})(C=O)NR^6R^7$, $N(R^{13})(C=O)OR^{14}$, $N(R^{13})(C=O)R^{14}$, $NR^{13}S(O)R^{14}$, $NR^{13}SO_2R^{14}$, $O(C=O)NR^6R^7$, $O(C=O)OR^{14}$, $O(C=O)R^{14}$, $(C=O)OR^{14}$, 5-6-membered heteroaryl, and C_1 - C_5 alkyl substituted by 0 to 7 groups independently selected from halo, CF_3 , OCF_3 , OH, hydroxy- C_1 - C_4 -alkyl, C_1 - C_4 alkoxy, C_1 - C_4 alkoxy- C_1 - C_4 alkoxy, di- C_1 - C_4 -alkylaminophenyl- C_1 - C_4 -alkyl, (di- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl)- C_1 - C_4 -alkyl, di- C_1 - C_4 -alkylamino, C_3 - C_6 -cycloalkyl, phenyl, and C_1 - C_4 alkylthio;

R^6 and R^7 are independently, at each occurrence, selected from the group consisting of:

H,

alternatively, R⁶ and R⁷, when attached to the same nitrogen, combine to form a 4- to 8-membered heterocyclic ring containing carbon atoms substituted by 0 to 3 groups independently selected from the group consisting of halo, CF₃, CHF₂, OCF₃, OCHF₂, OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N, NR¹³, O and S(O)_p;

R¹³ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl and -(CH₂)phenyl;

R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl, halo-C₁-C₄-alkyl, C₁-C₄-alkoxycarbonylamino, (C₆-C₁₀ arylcarbonylamino), (a 5- to 10-membered heteroarylcarbonylamino) and -(CH₂)_n¹phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano,

R¹⁰ is selected from the group consisting of C₁-C₄ alkyl, halo, C₁-C₄ alkoxy, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

n¹, at each occurrence, is selected from 0, 1, 2, 3, 4 or 5; and

p, at each occurrence, is selected from 0, 1 and 2.

7. The compound as defined in any one of claims 1 to 6 wherein:

W is O or S;

R⁰ is H or R¹ or R^{1a};

Y is S or -CR⁸=CR⁹-;

R¹ is independently selected from the group consisting of:

halo,

C₁-C₄ alkyl,

C₂-C₃ alkenyl,

C₂-C₃ alkynyl,

C₃-C₄ cycloalkyl,

C₁-C₄ alkoxy,

C₁-C₂ alkoxy-C₁-C₂ alkyl,

tetrahydrofuran-2-yl;

C₁-C₄ alkylthio,

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,
halo-C₃-C₄ cycloalkyl,
halo-C₁-C₂ alkoxy, and
halo-C₁-C₂ alkylthio;

5

~~R^{1a} is independently selected from the group consisting of:~~

~~H,~~

~~halo,~~

~~C₁-C₄-alkyl,~~

10

~~C₂-C₃-alkenyl,~~

~~C₂-C₃-alkynyl,~~

~~C₃-C₄-cycloalkyl,~~

~~C₁-C₄-alkoxy,~~

~~C₁-C₄-alkylthio,~~

15

~~halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,~~

~~halo-C₃-C₄-cycloalkyl,~~

~~halo-C₁-C₂-alkoxy, and~~

~~halo-C₁-C₂-alkylthio;~~

20

R⁸ and R⁹ are independently selected from the group consisting of:

H,

halo,

C₁-C₄ alkyl,

C₁-C₄ alkoxy,

25

halo-C₁-C₂ alkyl, and

halo-C₁-C₂ alkoxy;

provided that at least one of R^{1a}, R⁸ and R⁹ is other than H;

R² is selected from the group consisting of:

30

H,

fluoro,

chloro, and

CH₃;

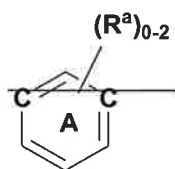
X¹ is selected from the group consisting of CH, N or CR¹⁰;

5 X², X³ and X⁴ are independently selected from CR³ or N;

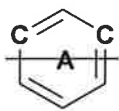
R³ is selected from the group consisting of H, C₁-C₃ alkyl, C₂-C₃ alkenyl, C₂-C₃ alkynyl, C₁-C₃ alkoxy, C₁-C₃ alkylthio, halo, OH, CN, OCF₃, and halo-C₁-C₃-alkyl, which contains 1 to 5 halogens;

R⁴ and R⁵ are independently selected from H, C₁-C₃ alkyl, halo-C₁-C₃ alkyl, hydroxy-C₁-C₃ alkyl, and C₁-C₃ alkoxy-C₁-C₃ alkyl, or R⁴ and R⁵ can be taken together with the carbon to which they are

10 attached to form a C₃-C₇ cycloalkyl ring;



Ring marked A is phenyl or a 6-membered heteroaryl ring, at least one ring



member of which is a nitrogen, which

ring A is substituted with 0 to 2 R^a groups;

15 B is selected from the group consisting of a C₆-C₁₀ aryl, a 5- to 10-membered heteroaryl, a 4- to 10-membered heterocyclyl containing carbon atoms and 1 to 4 additional heteroatoms selected from N, O, and S, and a C₃-C₈ cycloalkyl which may contain unsaturation, all of which are substituted by 0 to 3 R^b groups;

20 R^a, at each occurrence, is independently selected from the group consisting of H, halo, halo-C₁-C₄ alkoxy, OH, CN, NO₂, NR⁶R⁷, COOH, C₁-C₄ alkoxy, C₁-C₄ alkylthio, C₁-C₄ alkoxycarbonyl, (C=O)NR⁶R⁷, C₁-C₄ alkoxy-C₁-C₄ alkoxy, C₁-C₄ alkylsulfonyl, C₁-C₄ alkylsulfinyl, S(=O)₂NR⁶R⁷, and C₁-C₅ alkyl substituted by 0 to 7 groups independently selected from halo, CF₃, OCF₃, OH, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkoxy, C₁-C₄ alkoxy-C₁-C₄ alkoxy, di-C₁-C₄-alkylaminophenyl-C₁-C₄-alkyl, (di-C₁-C₄-alkoxy-C₁-C₄-alkyl)-C₁-C₄-alkyl, di-C₁-C₄-alkylamino, C₃-C₆-cycloalkyl, phenyl, and C₁-C₄ alkylthio;

25 R^b, at each occurrence, is independently selected from the group consisting of H, halo, halo-C₁-C₄ alkoxy, OH, CN, NO₂, NR⁶R⁷, COOH, C₁-C₄ alkoxy, C₁-C₄ alkylthio, C₁-C₄ alkoxycarbonyl, (C=O)NR⁶R⁷, C₁-C₄ alkoxy-C₁-C₄ alkoxy, C₁-C₄ alkylsulfonyl,

C₁-C₄-alkoxy-C₁-C₄-alkyl,
 C₁-C₄-alkoxycarbonyl-C₁-C₄-alkyl,
 C₁-C₄-alkoxycarbonyl,
 C₁-C₄-alkylcarbonyl,
 5 phenylcarbonyl;
 C₁-C₄-alkoxycarbonylamino-C₁-C₄-alkylcarbonyl,
 di-C₁-C₄-alkylamino-C₁-C₄-alkylcarbonyl,
 amino-C₁-C₄-alkylcarbonyl,
 4- to 10-membered-heterocyclyl-carbonyl, and

10 alternatively, R⁶ and R⁷, when attached to the same nitrogen, combine to form a 4- to 8-membered heterocyclic ring containing carbon atoms substituted by 0 to 3 groups independently selected from the group consisting of halo, CF₃, CHF₂, OCF₃, OCHF₂, OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N, NR¹³, O and S(O)_p;

15 R¹³ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl and -(CH₂)phenyl;

R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl, halo-C₁-C₄-alkyl, C₁-C₄-alkoxycarbonylamino, (C₆-C₁₀ arylcarbonylamino) and -(CH₂)_n¹phenyl
 20 substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano,

R¹⁰ is selected from the group consisting of C₁-C₄ alkyl, halo, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

25 n¹, at each occurrence, is selected from 0, 1, 2, 3 or 4; and

p, at each occurrence, is selected from 0, 1 and 2.

8. The compound as defined in any one of claims 1 to 7 wherein:

W is O;

30 R⁰ is H or R¹ or R^{1a};

Y is S or -CR⁸=CR⁹-;

R¹ is independently selected from the group consisting of:

halo,

C₁-C₂-alkyl,

cyclopropyl,

C₁-C₂-alkoxy,

C₁-C₂-alkylthio,

C₁-C₄ alkyl,

C₂-C₃ alkenyl,

C₂-C₃ alkynyl,

C₃-C₄ cycloalkyl,

C₁-C₄ alkoxy,

C₁-C₂ alkoxy-C₁-C₂ alkyl,

tetrahydrofuran-2-yl;

C₁-C₄ alkylthio,

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,

and

halo-C₃-C₄ cycloalkyl;

halo-C₁-C₂ alkoxy, and

halo-C₁-C₂ alkylthio;

R^{1a} is independently selected from the group consisting of:

H,

halo,

C₁-C₂-alkyl,

cyclopropyl,

C₁-C₂-alkoxy,

C₁-C₂-alkylthio,

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,

and

halo-C₃-C₄ cycloalkyl;

R⁸ and R⁹ are independently selected from the group consisting of:

H,

fluoro,
chloro,
C₁-C₃ alkyl,
C₁-C₂ alkoxy, and
halo-C₁-C₂ alkyl;

5

provided that at least one of R^{1a} , R^o , R^8 and R^9 is other than H;

R^2 is H;

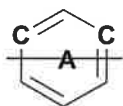
10

X¹ is selected from the group consisting of CH or N;

X², X³ and X⁴ are independently is selected from CR³ or N;

5 R³ is selected from the group consisting of H, C₁-C₃ alkyl, C₁-C₃ alkoxy, fluoro, chloro, OCF₃, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens;

R⁴ and R⁵ are independently selected from H, C₁-C₆ alkyl, halo-C₁-C₃ alkyl, hydroxy-C₁-C₃ alkyl and C₁-C₃ alkoxy-C₁-C₃ alkyl;



10 Ring marked A is selected from the group consisting of phenyl, pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, and triazinyl, which ring is substituted with 0 to 2 R^a groups;

B is selected from the group consisting of a C₆-C₁₀ aryl, a 5- to 10-membered heteroaryl, a 4- to 10-membered heterocyclyl containing carbon atoms and 1 to 2 additional heteroatoms selected from N, O, and S, and a C₃-C₆ cycloalkyl which may contain unsaturation, all of which are substituted by 0 to 3 R^b groups;

15 R^a, at each occurrence, is independently selected from the group consisting of H, halo, halo-C₁-C₄ alkoxy, OH, CN, NO₂, NR⁶R⁷, COOH, C₁-C₄ alkoxy, C₁-C₄ alkylthio, C₁-C₄ alkoxycarbonyl, (C=O)NR⁶R⁷, C₁-C₄ alkoxy-C₁-C₄ alkoxy, C₁-C₄ alkylsulfonyl, C₁-C₄ alkylsulfinyl, S(=O)₂NR⁶R⁷, and C₁-C₅ alkyl substituted by 0 to 7 groups independently selected from halo, CF₃, OCF₃, OH, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkoxy, C₁-C₄ alkoxy-C₁-C₄ alkoxy, di-C₁-C₄-alkylaminophenyl-C₁-C₄-alkyl, 20 (di-C₁-C₄-alkoxy-C₁-C₄-alkyl)-C₁-C₄-alkyl, di-C₁-C₄-alkylamino, C₃-C₆-cycloalkyl, phenyl, and C₁-C₄ alkylthio;

R^b, at each occurrence, is independently selected from the group consisting of H, halo, halo-C₁-C₄ alkoxy, OH, CN, NO₂, NR⁶R⁷, COOH, C₁-C₄ alkoxy, C₁-C₄ alkylthio, C₁-C₄ alkoxycarbonyl, (C=O)NR⁶R⁷, C₁-C₄ alkoxy-C₁-C₄ alkoxy, C₁-C₄ alkylsulfonyl, C₁-C₄ alkylsulfinyl, S(=O)₂NR⁶R⁷, 25 N(R¹³)(C=O)NR⁶R⁷, N(R¹³)(C=O)OR¹⁴, N(R¹³)(C=O)R¹⁴, NR¹³S(O)R¹⁴, NR¹³SO₂R¹⁴, O(C=O)NR⁶R⁷, O(C=O)OR¹⁴, O(C=O)R¹⁴, (C=O)OR¹⁴, 5-6-membered heteroaryl, and C₁-C₅ alkyl substituted by 0 to 7 groups independently selected from halo, CF₃, OCF₃, OH, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkoxy, C₁-C₄ alkoxy-C₁-C₄ alkoxy, di-C₁-C₄-alkylaminophenyl-C₁-C₄-alkyl, (di-C₁-C₄-alkoxy-C₁-C₄-alkyl)-C₁-C₄-alkyl, di-C₁-C₄-alkylamino, C₃-C₆-cycloalkyl, phenyl, and C₁-C₄ 30 alkylthio;

independently selected from the group consisting of halo, CF₃, CHF₂, OCF₃, OCHF₂, OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N, NR¹³, O and S(O)_p;

5 R¹³ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl and -(CH₂)phenyl;

 R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl, halo-C₁-C₄-alkyl, C₁-C₄-alkoxycarbonylamino and -(CH₂)_n¹phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃,

10 OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano,

 n¹, at each occurrence, is selected from 0, 1, 2 or 3; and

 p, at each occurrence, is selected from 0, 1 and 2.

9. The compound as defined in any one of claims 1 to 8 wherein:

15 W is O;

 R⁰ is H or R¹ or R^{1a};

 Y is S or -CR⁸=CR⁹-;

 R¹ is independently selected from the group consisting of:

20 C₁-C₂ alkyl,

 C₁-C₂ alkoxy,

 C₁-C₂ alkylthio, and

 halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

25 ~~R^{1a} is independently selected from the group consisting of:~~

~~H,~~

~~fluoro,~~

~~chloro,~~

~~C₁-C₂ alkyl,~~

30 ~~C₁-C₂ alkoxy,~~

~~C₁-C₂ alkylthio, and~~

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

5

R⁸ and R⁹ are independently selected from the group consisting of:

H,

fluoro,

chloro,

10

CH₃,

OCH₃,

CF₃, and

CHF₂;

15 provided that at least one of R^{1a}, R⁸ and R⁹ is other than H;

R² is H;

X¹ is selected from the group consisting of CH or N;

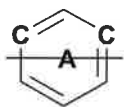
X² and X⁴ are CH;

20

X³ is CR³;

R³ is selected from the group consisting of H, C₁-C₃ alkyl, C₁-C₃ alkoxy, fluoro, chloro, OCF₃, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens;

R⁴ and R⁵ are independently selected from H and C₁-C₆ alkyl;

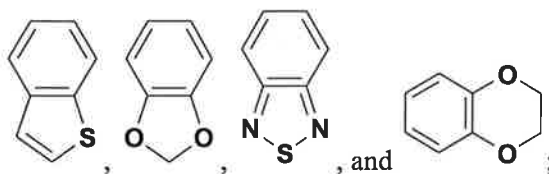


25 Ring marked A is selected from the group consisting of phenyl, pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, and triazinyl, which ring is substituted with 0 to 2 R^a groups;



is selected from the group consisting of phenyl, naphthyl pyridyl, pyrimidinyl, pyrrolyl,

pyrazolyl, thienyl, thiazolyl,



-(CHR¹³)_n¹-4- to 10-membered-heterocyclyl substituted by 0 to 3 groups independently selected from the group consisting of halo, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, and C₁-C₄ alkyl,

5 -(CHR¹³)_n¹-5- to 10-membered-heteroaryl substituted by 0 to 3 groups independently selected from the group consisting of halo, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, hydroxy-C₁-C₄-alkyl, and C₁-C₄ alkyl,

 di-C₁-C₄-alkylamino-C₁-C₄-alkyl,

 di-C₁-C₄-alkoxy-C₁-C₄-alkyl,

 hydroxy-C₁-C₄-alkyl,

10 cyano-C₁-C₄-alkyl,

 C₁-C₄-alkoxy-C₁-C₄-alkyl,

 C₁-C₄-alkoxycarbonyl-C₁-C₄-alkyl,

 C₁-C₄-alkoxycarbonyl,

 C₁-C₄-alkylcarbonyl, and

15 phenylcarbonyl;

alternatively, R⁶ and R⁷, when attached to the same nitrogen, combine to form a 4- to 8-membered heterocyclic ring containing carbon atoms substituted by 0 to 3 groups independently selected from the group consisting of halo, CF₃, CHF₂, OCF₃, OCHF₂, OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N,
20 NR¹³, O and S(O)_p;

 R¹³ is independently, at each occurrence, selected from the group consisting of H, and C₁-C₃ alkyl;

 R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₃ alkyl,
25 and halo-C₁-C₂-alkyl;

 n¹, at each occurrence, is selected from 0, 1, 2 or 3; and

 p, at each occurrence, is selected from 0, 1 and 2.

10. The compound as defined in any one of claims 1 to 9 wherein:

30 W is O;

 R⁰ is H or R¹ or R^{1a};

 Y is S or -CH=CH-;

R¹ is independently selected from the group consisting of:

CH₃,

OCH₃,

SCH₃,

CHFCH₃, and

CF₂CH₃;

~~R^{1a} is independently selected from the group consisting of:~~

~~chloro,~~

~~CH₃, and~~

~~OCH₃;~~

R² is H;

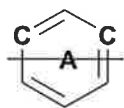
X¹ is CH;

X² and X⁴ are CH;

X³ is CR³;

R³ is selected from the group consisting of OCH₃, fluoro, and chloro;

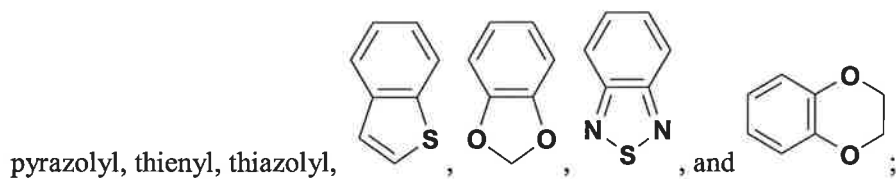
R⁴ and R⁵ are independently selected from H and CH₃;



Ring marked A is selected from the group consisting of phenyl, pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, and triazinyl, which ring is substituted with 0 to 2 R^a groups;



is selected from the group consisting of phenyl, naphthyl, pyridyl, pyrimidinyl, pyrrolyl,



alternatively, R^6 and R^7 , when attached to the same nitrogen, combine to form a 4- to 7-membered heterocyclic ring containing carbon atoms substituted by 0 to 2 groups independently selected from the group consisting of halo, CF_3 , CHF_2 , OCF_3 , $OCHF_2$, OCH_2F , OH, oxo, hydroxy- C_1 - C_2 -alkyl, C_1 - C_3 alkyl and C_1 - C_3 alkoxy, and 0 to 2 additional heteroatoms selected from N, NR^{13} , O and $S(O)_p$;

- 5 R^{13} is independently, at each occurrence, selected from the group consisting of H and C_1 - C_3 alkyl;
 R^{14} is independently, at each occurrence, selected from the group consisting of H and C_1 - C_3 alkyl
 n^1 , at each occurrence, is selected from 0, 1, 2 or 3; and
 p , at each occurrence, is selected from 0, 1 and 2.

10 11. The compound as defined in any one of claims 1 to 10 wherein:

X_1 is CH or N;

R^1 is C_1 - C_3 alkoxy or halo- C_1 - C_2 -alkyl which contains 1 to 5 halogens;

R^2 is H;

15 R^3 is H, C_1 - C_4 alkoxy or halogen;



Ring marked A is selected from the group consisting of phenyl, pyridyl, pyrimidinyl, all of which are substituted with 0 to 2 R^a groups;



$(R^b)_{0-3}$ is selected from the group consisting of:

- 20 a) phenyl;
 b) phenyl substituted with 1 to 2 R^b substituents selected from halo, OH, halo- C_1 - C_2 -alkyl,

which contains 1 to 5 halogens, CN, NO_2 , $\begin{array}{c} O \\ || \\ -CNH_2 \end{array}$, $N(alkyl)_2$, CF_3 , C_1 - C_4 alkyl, and C_1 - C_4 alkoxy;

- c) phenyl fused to a heterocyclo group;
 d) monocyclic heteroaryl containing 5 or 6 ring members which contain:
 25 1 oxygen atom,

2 nitrogen atoms,

2 sulfur atoms,

1 nitrogen atom,

1 sulfur atom,

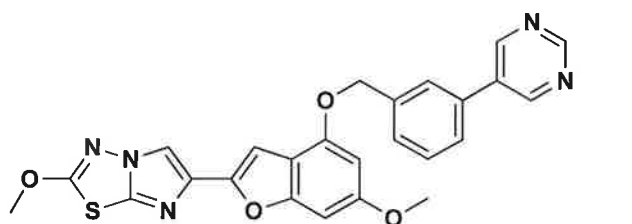
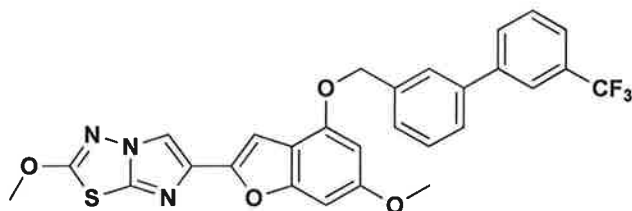
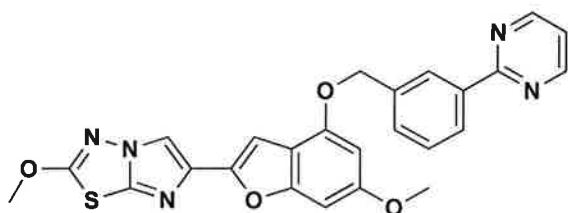
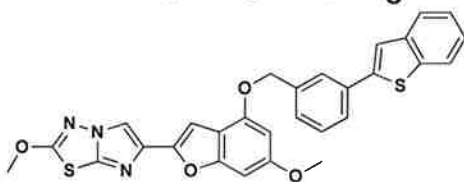
1 oxygen atom,

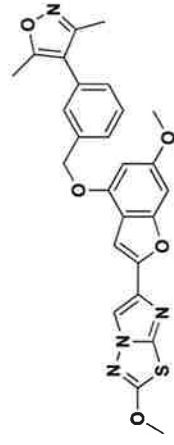
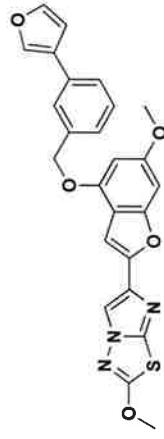
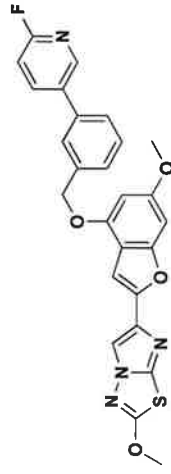
or combinations thereof, which monocyclic heteroaryl is substituted with 0 to 2 R^b substituents selected from halo, CN, NO₂, OH, C₁-C₄ alkyl, halo-C₁-C₄ alkyl, C₁-C₄ alkoxy,

halo-C₁-C₄ alkoxy, $\text{—}\overset{\text{O}}{\parallel}\text{CNH}_2$, N(alkyl)₂, C₁-C₄ alkoxy-C₁-C₄ alkoxy, COOH, C₁-C₄ alkoxycarbonyl, heterocyclyl, or heterocyclylcarbonyl; and

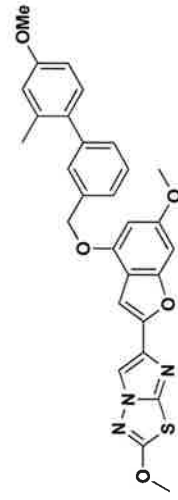
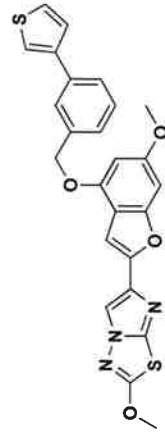
e) bicyclic heteroaryl containing 8 or 9 ring members and which contains a sulfur atom, nitrogen atoms or combinations thereof in the ring.

12. The compound as defined in any one of claims 1 to 11, wherein the compound is selected from the following compounds ~~one of the examples~~.

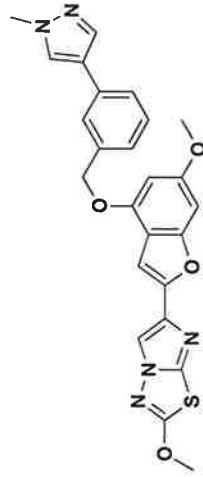
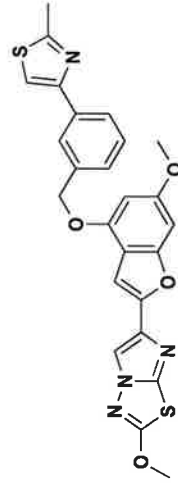
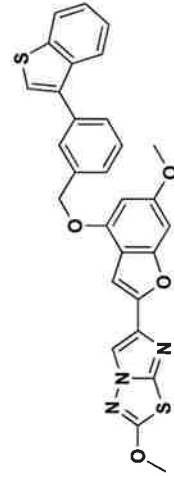




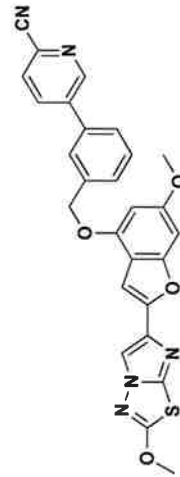
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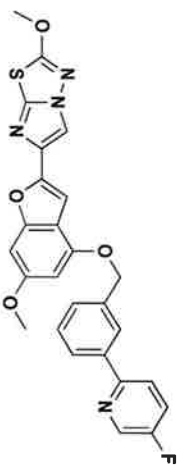
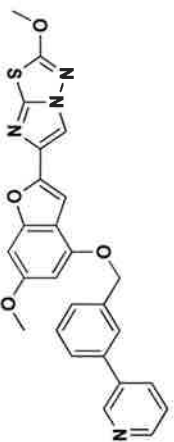


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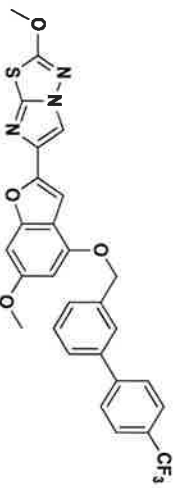
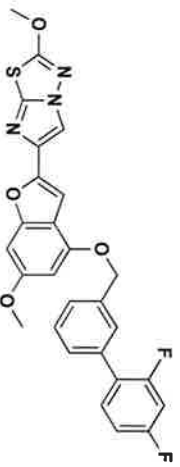
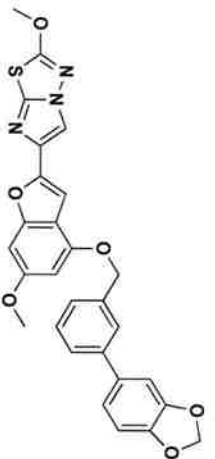


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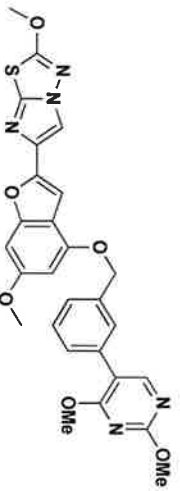
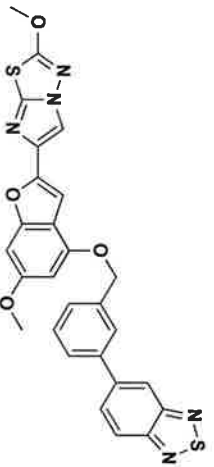




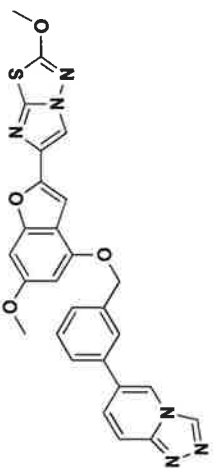
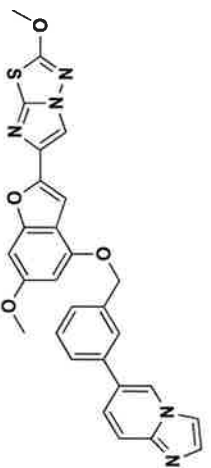
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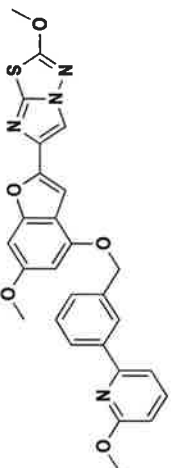
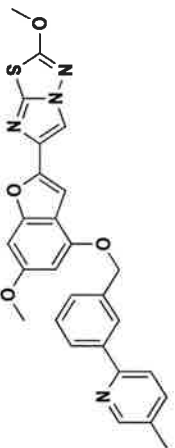
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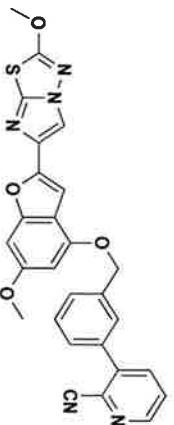
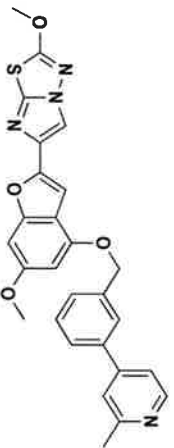
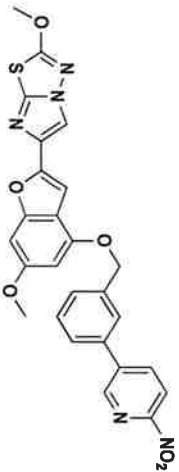
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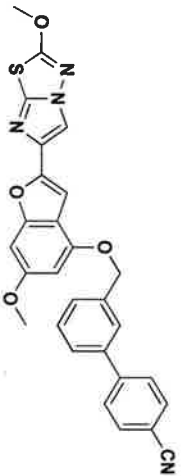
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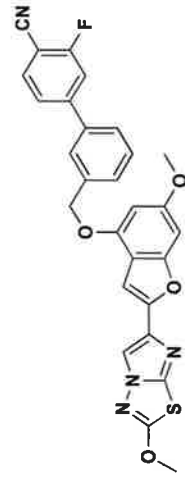
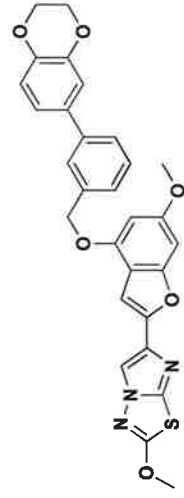
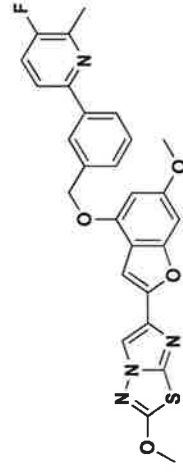


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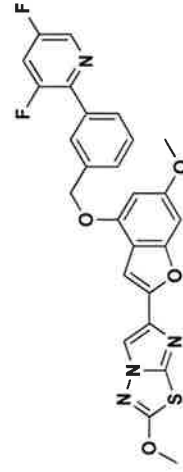
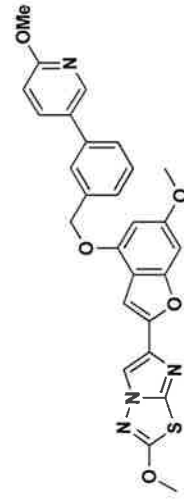


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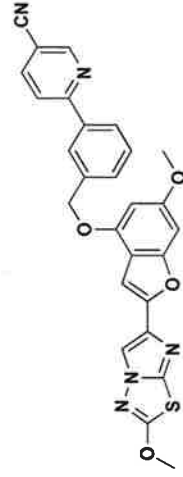
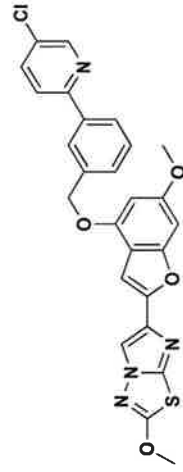




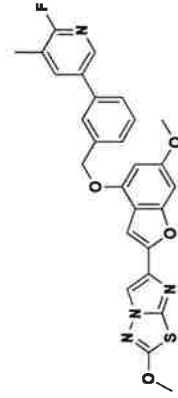
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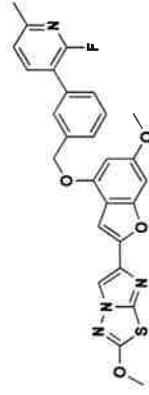
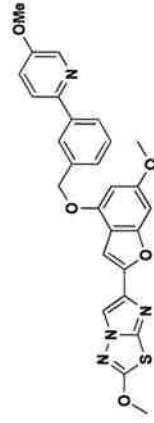


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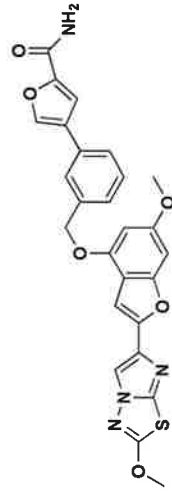
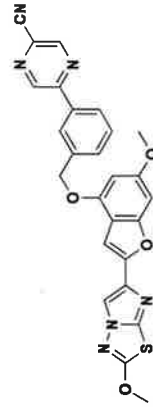
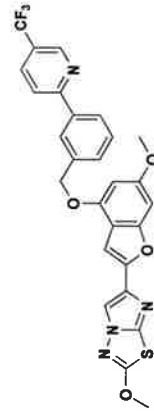


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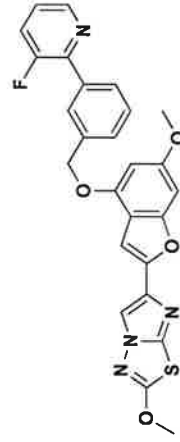
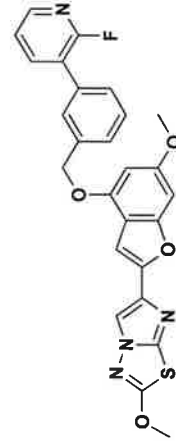




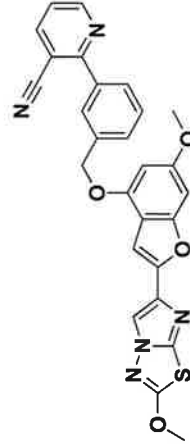
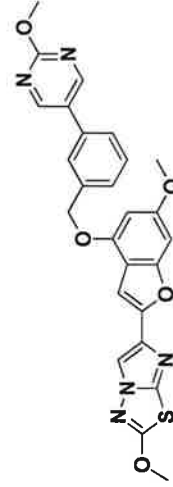
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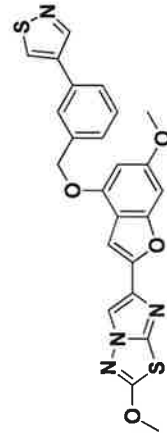
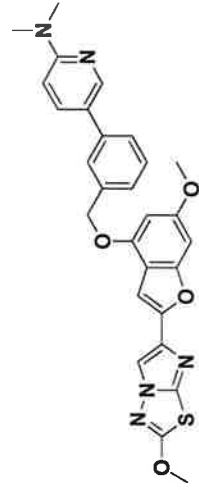


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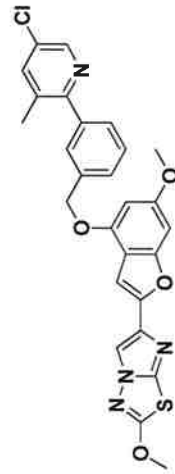


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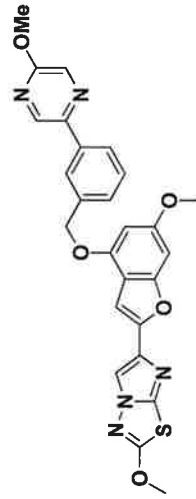
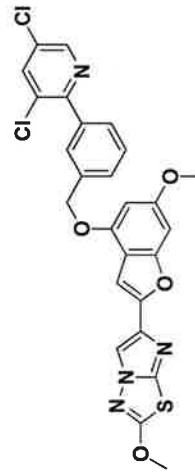
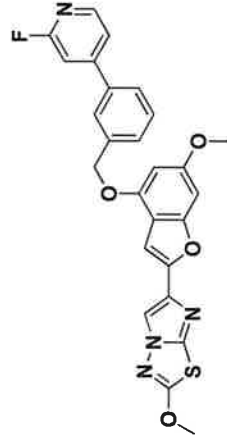




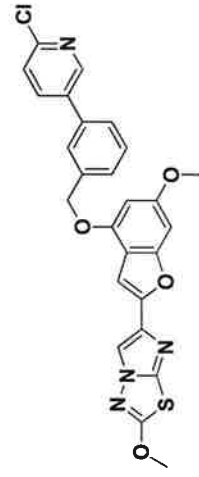
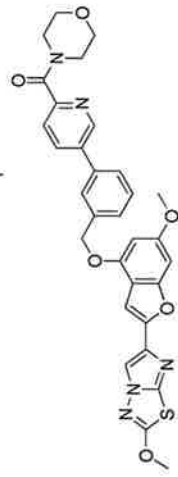
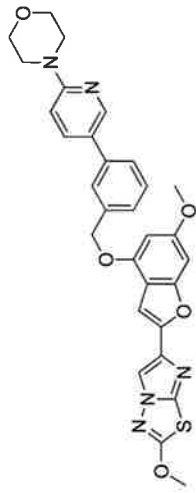
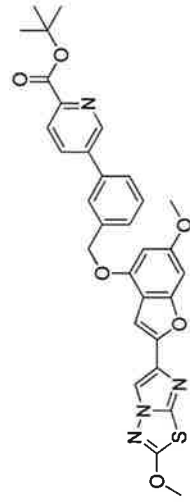
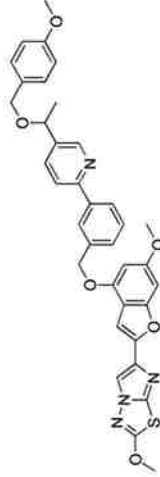
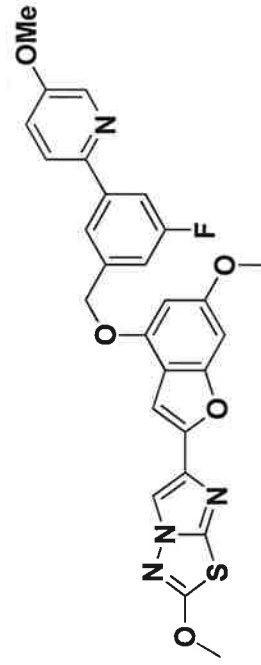
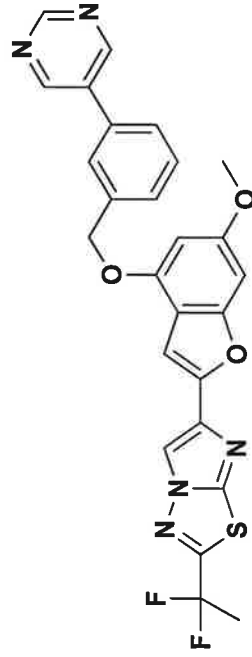
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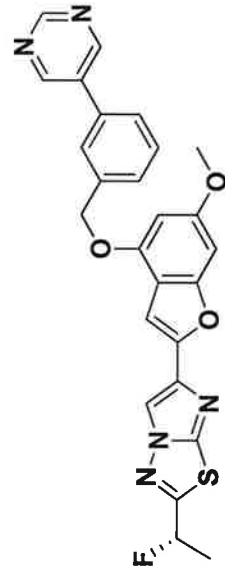
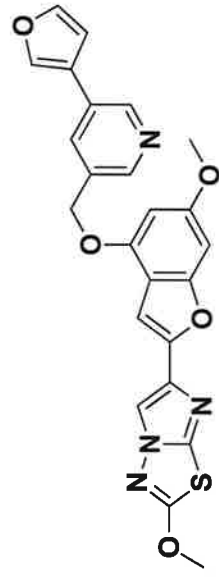
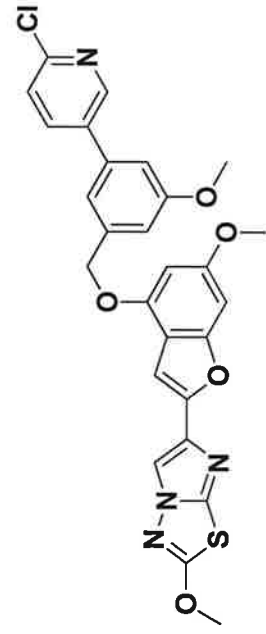
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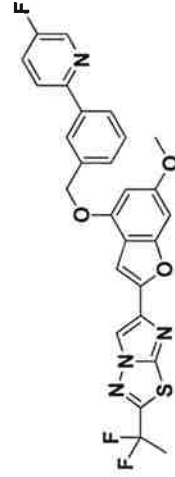
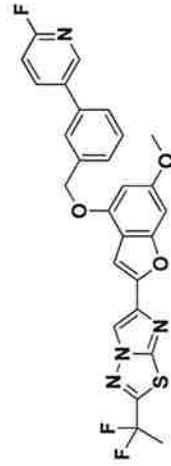
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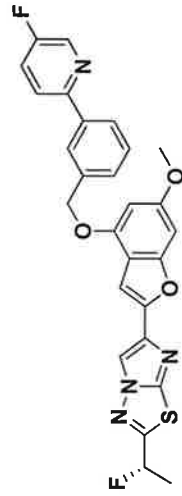
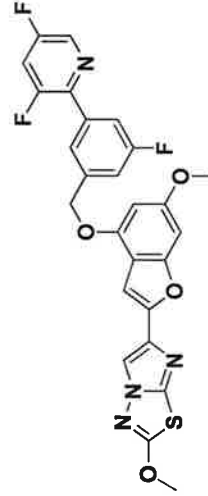
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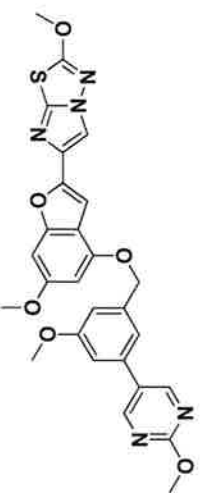
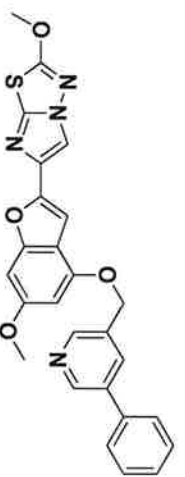
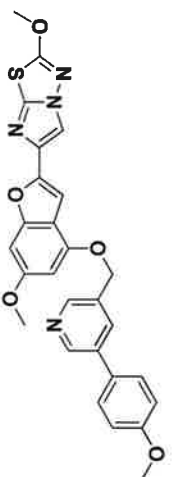


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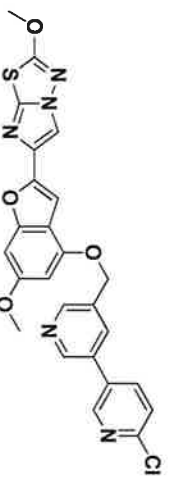
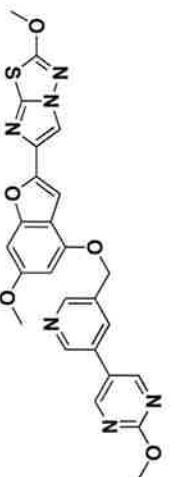


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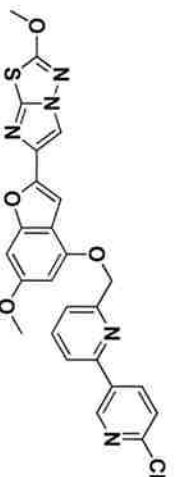
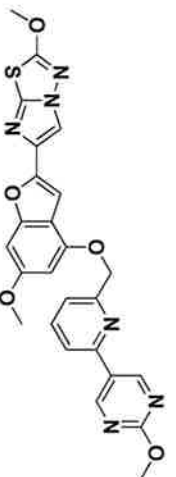
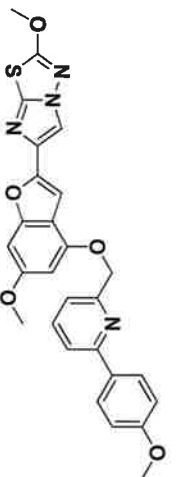




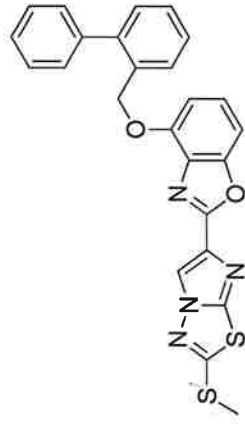
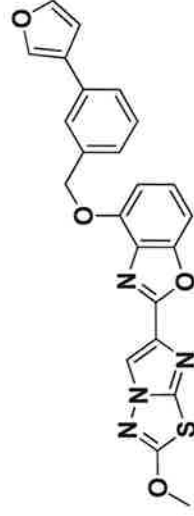
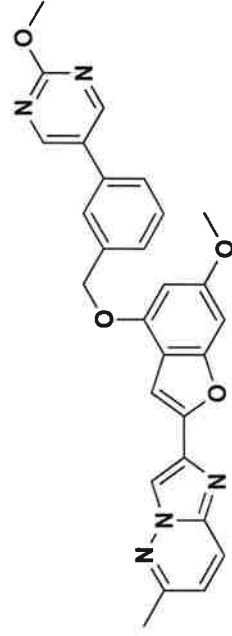
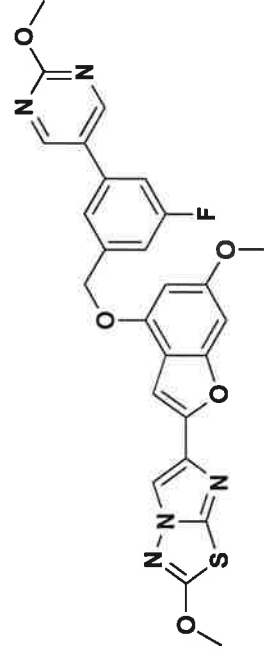
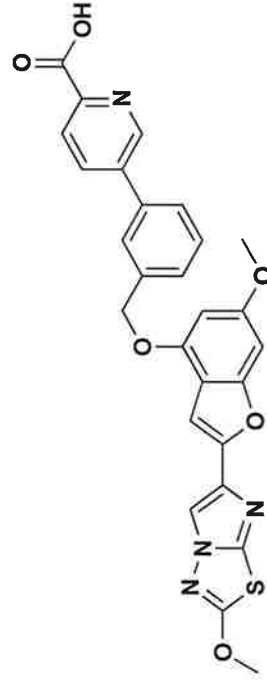
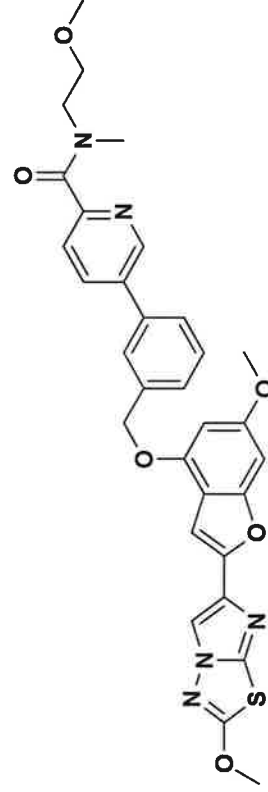
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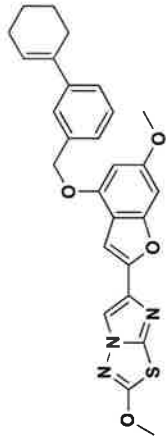
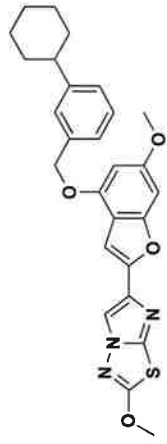


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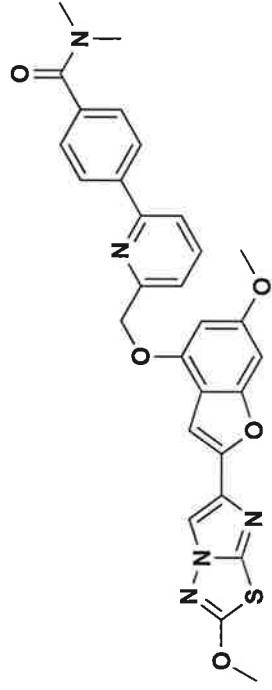
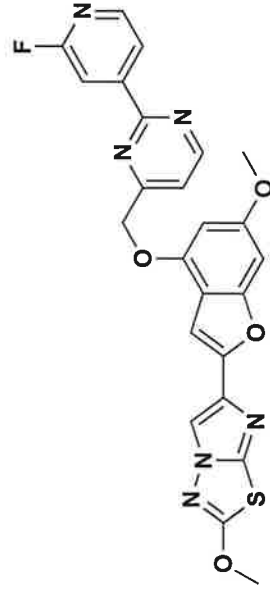


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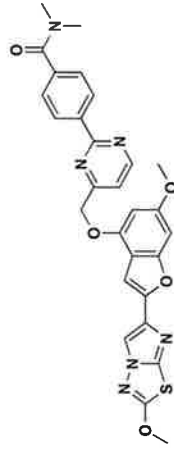
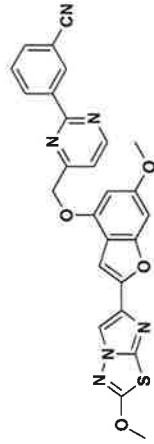
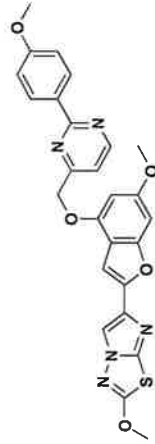
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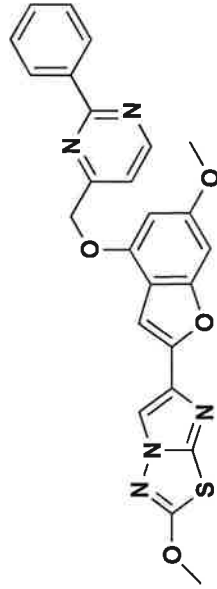
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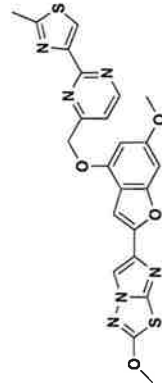
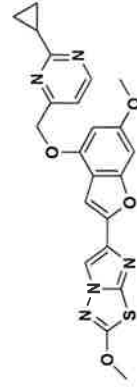
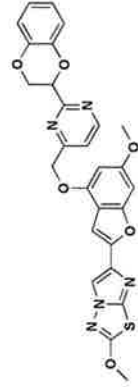


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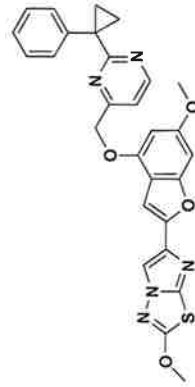
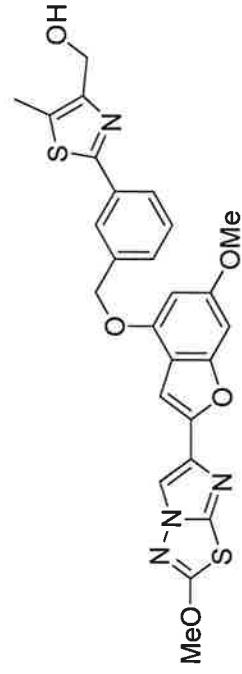


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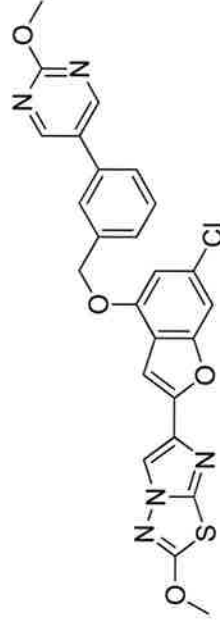
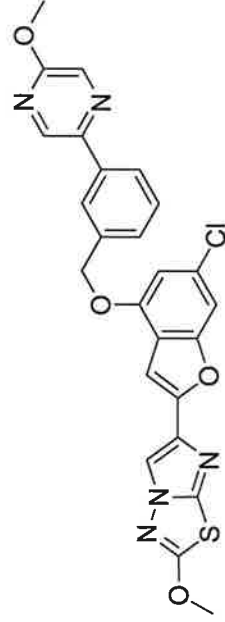
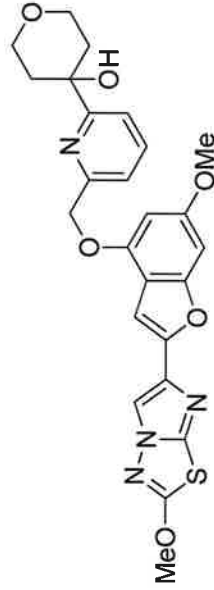




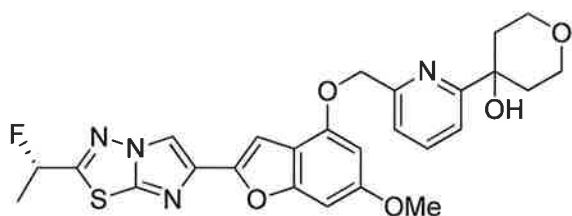
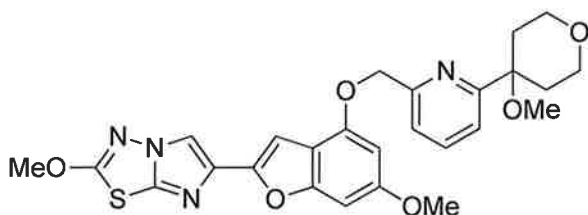
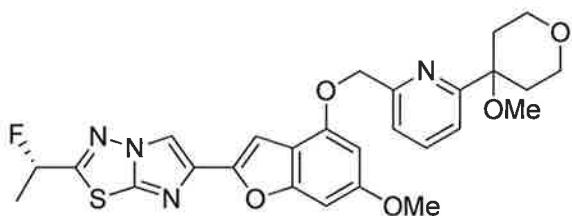
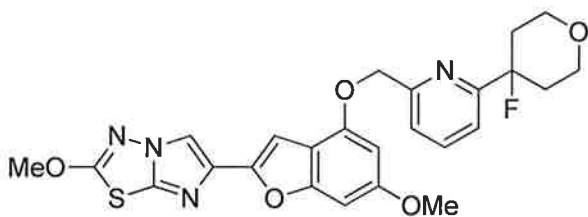
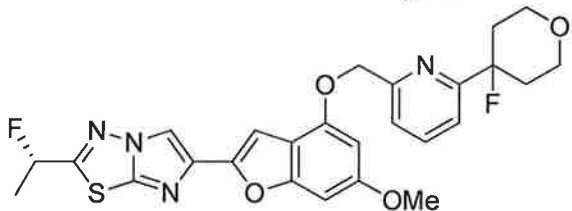
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13. A pharmaceutical composition, which comprises a pharmaceutically acceptable carrier and a compound as defined in any one of claims 1 to 12, or stereoisomers, tautomers, pharmaceutically acceptable salts, or solvates thereof, alone or in combination with another therapeutic agent.

14. Use of a therapeutically effective amount of a compound as defined in any one of claims 1 to 12, or stereoisomers, tautomers, pharmaceutically acceptable salts, or solvates thereof, in the manufacture of a medicament for the treatment of a thromboembolic disorder or the primary or secondary prophylaxis of a thromboembolic disorder, wherein the thromboembolic disorder is selected from the group consisting of arterial cardiovascular thromboembolic disorders, venous cardiovascular thromboembolic disorders, cerebrovascular thromboembolic disorders, and thromboembolic disorders in the chambers of the heart or in the peripheral circulation.