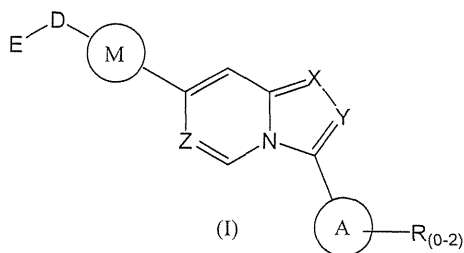


We claim:

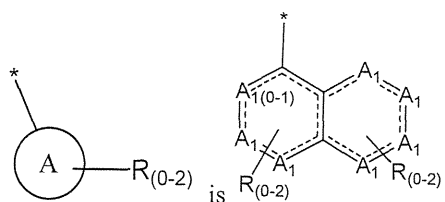
1. A compound having a structure represented by the following formula (I):



wherein:

X is N;

Y and Z are independently N or CH;



each A_1 is independently O, S, $CR_{1a}R_2$, or NR_{1a} ;

R is selected from CF_3 , halogen, CN, alkyl, aryl, heteroaryl, or NR_1R_2 ;

M is substituted or unsubstituted and is selected from aryl or heteroaryl;

D is selected from a bond, O, CR_1R_2 , NH, NR_1 or NR_1R_2 ;

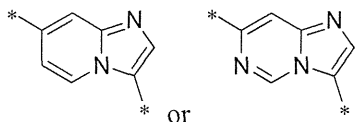
E is absent or selected from H, CF₃, halogen, CN, alkyl, aryl, heteroaryl, C₃-C₁₂ cycloalkyl, C₃-C₁₂ cycloheteroalkyl, -(CH₂)_x-C₃-C₁₂ cycloalkyl or -(CH₂)_x-C₃-C₁₂ cycloheteroalkyl;

R_{1a} is absent or selected from H, alkyl, aryl, or heteraryl;

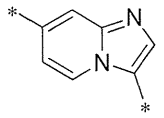
R₁ is selected from H, alkyl, aryl, or heteraryl; and

R₂ is selected from H, alkyl, aryl, heteroaryl, or COR₁, or R₁ and R₂ form a C₃-C₁₂ cycloalkyl or C₃-C₁₂ cycloheteroalkyl containing O, N and/or S; or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1, wherein X, Y and Z are selected to form:

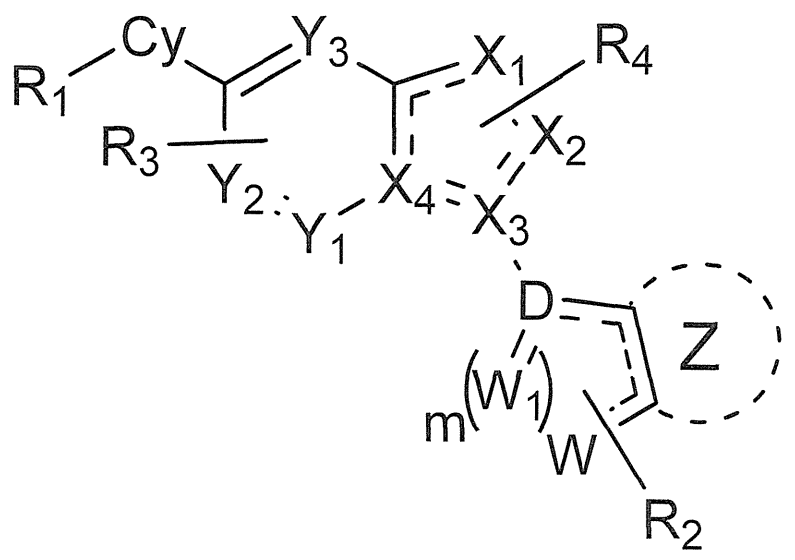


3. The compound of claim 1, wherein X, Y and Z are selected to form:



4. The compound of claim 1, wherein M is optionally substituted with one or more R, and is selected from C₃-C₁₂ cycloalkyl, C₃-C₁₂ cycloalkenyl, aryl, heteroaryl, C₃-C₁₂

15. A compound having a structure represented by the following formula:



wherein:

X₁ is N;

X₂ is N or CR_{1a};

X₃ is C;

X₄ is N;

Y₁ and Y₃ are CR_{1a};

Y₂ is N or CR_{1a}

D is C or N;

W is N or O;

W₁ is N, O or C;

Cy is optionally substituted with one or more R₁, and is selected from C₃-C₁₂ cycloalkyl or C₃-C₁₂ cycloalkenyl or aryl or heteroaryl or C₃-C₁₂ heterocycloalkyl or C₃-C₁₂ heterocycloalkenyl or 3-8 membered ring comprising C, O, S, and/or N.

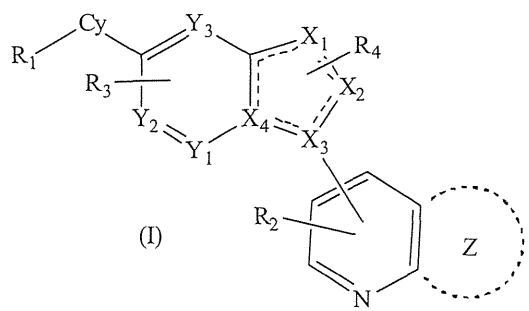
R_{1a} is absent or selected from hydrogen, halogen, C₁₋₁₀ alkyl, C₃₋₁₀ cycloalkyl, OC₁₋₁₀ alkyl (which may contain a C₃₋₈ membered ring containing C, O, S or N, optionally substituted with one or more R⁴), NR₁C₁₋₁₀ alkyl (which may contain a C₃₋₈ membered ring containing C, O, S or N, optionally substituted with one or more R⁴), CN or CF₃;

R₁-R₄ are independently selected from hydrogen, halogen, C₁₋₁₀ alkyl, C₃₋₁₀ cycloalkyl, OC₁₋₁₀ alkyl (which may contain a C₃₋₈ membered ring containing C, O, S or N, optionally

substituted with one or more R^4), NR_1C_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), CN or CF_3 ;

Z is optionally substituted with one or more R_1 , and is selected from C_3-C_{12} cycloalkyl or C_3-C_{12} cycloalkenyl or aryl or heteroaryl or C_3-C_{12} heterocycloalkyl or C_3-C_{12} heterocycloalkenyl or 3-8 membered ring comprising C, O, S, and/or N.

16. A compound having a structure represented by the following formula:



wherein:

X_1 is N;

X_2 is N or CR_{1a} ;

X_3 is C;

X_4 is N;

Y_1 and Y_3 are CR_{1a} ;

Y_2 is N or CR_{1a} ;

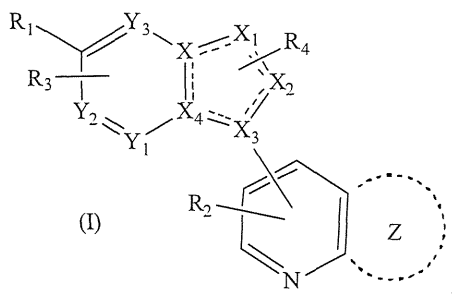
Cy is a bond, or forms a ring that is optionally substituted with one or more R_1 , and is selected from C_3-C_{12} cycloalkyl or C_3-C_{12} cycloalkenyl or aryl or heteroaryl or C_3-C_{12} heterocycloalkyl or C_3-C_{12} heterocycloalkenyl or 3-8 membered ring comprising C, O, S, and/or N;

R_{1a} is absent or selected from hydrogen, halogen, C_{1-10} alkyl, C_{3-10} cycloalkyl, OC_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), NR_1C_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), CN or CF_3 ;

R_1-R_4 are independently selected from hydrogen, halogen, C_{1-10} alkyl, C_{3-10} cycloalkyl, OC_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), NR_1C_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), CN or CF_3 ;

Z is optionally substituted with one or more R₁, and is selected from C₃-C₁₂ cycloalkyl or C₃-C₁₂ cycloalkenyl or aryl or heteroaryl or C₃-C₁₂ heterocycloalkyl or C₃-C₁₂ heterocycloalkenyl or 3-8 membered ring comprising C, O, S, and/or N.

17. A compound having a structure represented by the following formula:



wherein:

X_1 is N;

X_2 is N or CR_{1a} ;

X is C;

X_3 is C or N;

X_4 is N;

Y_1 and Y_3 are CR_{1a} ;

Y_2 is N or CR_{1a} ;

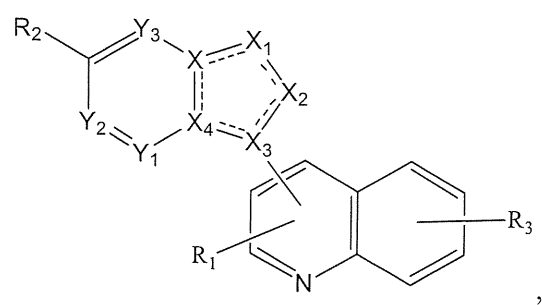
R_{1a} is absent or selected from hydrogen, halogen, C_{1-10} alkyl, C_{3-10} cycloalkyl, OC_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), CN or CF_3 ;

R_1 is independently selected from hydrogen, halogen, C_{1-10} alkyl, C_{3-10} cycloalkyl, OC_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), CN or CF_3 ;

R_2 - R_4 are absent or independently selected from hydrogen, halogen, C_{1-10} alkyl, C_{3-10} cycloalkyl, OC_{1-10} alkyl (which may contain a C_{3-8} membered ring containing C, O, S or N, optionally substituted with one or more R^4), CN or CF_3 ;

Z is optionally substituted with one or more R_1 , and is selected from C_3 - C_{12} cycloalkyl or C_3 - C_{12} cycloalkenyl or aryl or heteroaryl or C_3 - C_{12} heterocycloalkyl or C_3 - C_{12} heterocycloalkenyl or 3-8 membered ring comprising C, O, S, and/or N.

18. The compound of claim 17, wherein the compound is of the following formula:



wherein:

X₁ is N;

X₂ is N or CR_{1a};

X is C;

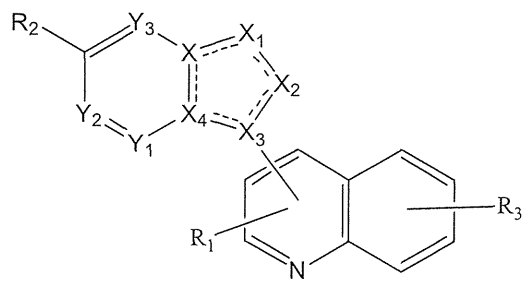
X₃ is C or N;

X₄ is N;

Y₁, Y₂, and Y₃ are CR_{1a};

R₁-R₄ are absent or independently selected from hydrogen, halogen, C₁₋₁₀ alkyl, C₃₋₁₀ cycloalkyl, OC₁₋₁₀ alkyl (which may contain a C₃₋₈ membered ring containing C, O, S or N, optionally substituted with one or more R⁴), CN or CF₃;

19. The compound of claim 17, wherein the compound is of the following formula:



wherein

- (i) X₂ and Y₂ are CR_{1a};
- (ii) X₂ is N, Y₂ is N, and X₃ is C; or
- (iii) X₃ is N, and X₂ and Y₂ are CR_{1a};

R₁-R₄ are independently selected from hydrogen, halogen, C₁₋₁₀ alkyl, C₃₋₁₀ cycloalkyl, OC₁₋₁₀ alkyl (which may contain a C₃₋₈ membered ring containing C, O, S or N, optionally substituted with one or more R⁴), CN or CF₃.