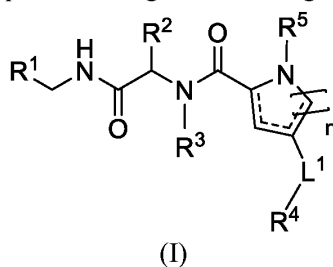


CLAIMS

1. A compound having the following Structure (I):



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

==== at each occurrence, independently represents a double or single bond;

R¹ is a substituted or unsubstituted aryl or a substituted or unsubstituted heteroaryl;

R² is hydrogen, alkyl, alkoxy, haloalkyl, hydroxyalkyl, haloalkoxy, or cycloalkyl;

R³ is hydrogen, alkyl, haloalkyl, or cycloalkyl, or R² and R³, together with the carbon and nitrogen to which they are attached, respectively, form an optionally substituted 4-7 membered heterocyclyl;

R⁴ is a substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, substituted or unsubstituted cycloalkyl, or substituted or unsubstituted heterocyclyl;

R⁵ is hydrogen, alkyl, haloalkyl, cycloalkyl, phosphonalkyl, (CH₂)_mC(=O)OR⁶, C(=O)R⁶, C(=O)OR⁶, (CH₂)_mNR⁶S(O)₂R⁷, or C(=O)NR⁶R⁷;

R⁶ and R⁷ are, at each occurrence, independently hydrogen, alkyl, haloalkyl, cycloalkyl, or arylalkyl;

L¹ is a direct bond, -CR^{8a}R^{8b}-, -S(O)_t-, NR^{8c}, or -O-;

R^{8a} and R^{8b} are each independently hydrogen, alkyl, or R^{8a} and R^{8b}, together with the carbon to which they are attached form an optionally substituted 3-6 membered cycloalkyl;

R^{8c} is hydrogen, alkyl, haloalkyl, (C=O)alkyl, (C=O)Oalkyl, (C=O)cycloalkyl, (C=O)Ocycloalkyl, (C=O)aryl, (C=O)Oaryl, (C=O)heteroaryl, (C=O)Oheteroaryl, (C=O)heterocyclyl, (C=O)O heterocyclyl, a substituted or unsubstituted aryl, a substituted or unsubstituted heteroaryl, a substituted or unsubstituted cycloalkyl, a substituted or unsubstituted heterocyclyl, a substituted or unsubstituted arylalkyl, a substituted or unsubstituted heteroarylalkyl, a substituted or unsubstituted cycloalkylalkyl, or a substituted or unsubstituted heterocyclalkyl;

n is 1 or 2;

m is 1, 2, 3, 4, 5, or 6; and

t is 0, 1, or 2,

provided that the compound of Structure (I) does not have a structure in Table A.

2. The compound of claim 1, wherein R^1 is a substituted or unsubstituted aryl.

3. The compound of claim 1 or 2, wherein R^1 is a substituted or unsubstituted C_6 - C_{10} aryl.

4. The compound of any one of claims 1-3, wherein R^1 is a substituted or unsubstituted phenyl.

5. The compound of any one of claims 1-4, wherein R^1 is a substituted phenyl.

6. The compound of any one of claims 1-5, wherein R^1 is phenyl substituted with one or more of R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , and R^{1e} are each independently selected from the group consisting of $C(=NH)NHC(=O)OR^8$, $C(=NOC(=O)R^8)NH_2$, $C(=NOC(=O)OR^8)NH_2$, $C(=NOH)NH_2$, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, halo, C_{1-6} haloalkyl, aminylalkyl, hydroxyalkyl, cyano, OR^9 , SR^9 , $C(O)R^9$, $C(O)NR^9R^{10}$, $C(O)OR^9$, $OC(O)R^9$, $OC(O)OR^9$, $OC(O)NR^9R^{10}$, NR^9R^{10} , $N(R^9)C(O)R^{10}$,

$N(R^9)C(O)NR^{10}R^{11}$, $N(R^9)C(O)OR^{10}$, $C(=NR^9)NR^{10}R^{11}$, $C(=NOR^9)NR^{10}R^{11}$, $C(=NOC(O)R^9)NR^{10}R^{11}$, $C(=NR^9)N(R^{10})C(O)OR^{11}$, $N(R^9)C(=NR^{10})NR^{11}R^{12}$, $S(O)R^9$, $S(O)NR^9R^{10}$, $S(O)_2R^9$, $N(R^9)S(O)_2R^{10}$, $S(O)_2NR^9R^{10}$, oxo, substituted or unsubstituted C_{6-10} aryl, substituted or unsubstituted C_{6-10} arylalkyl, substituted or unsubstituted C_{6-10} aryloxy, substituted or unsubstituted C_{6-10} arylalkoxy, substituted or unsubstituted 5-10 membered heteroaryl, substituted or unsubstituted C_{3-10} cycloalkyl, and substituted or unsubstituted 4-10 membered heterocyclyl,

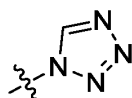
wherein R^9 , R^{10} , R^{11} , and R^{12} , are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, heteroarylalkyl, and heteroaryl.

7. The compound of claim 6, wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} is optionally substituted with one or more substituents selected from the group consisting of halo, CN, OR^{13} , SR^{13} , $C(O)R^{13}$, $C(O)NR^{13}R^{14}$, $C(O)OR^{13}$, $OC(O)R^{13}$, $OC(O)NR^{13}R^{14}$, $NR^{13}R^{14}$, $NR^{13}C(O)R^{14}$, $NR^{13}C(O)NR^{14}R^{15}$, $NR^{13}C(O)OR^{14}$, $C(=NR^{13})NR^{14}R^{15}$, $NR^{13}C(=NR^{14})NR^{15}R^{16}$, $S(O)R^{13}$, $S(O)NR^{13}R^{14}$, $S(O)_2R^{13}$, $NR^{13}S(O)_2R^{14}$, $S(O)_2NR^{13}R^{14}$ and oxo when R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} is a substituted C_{6-10} aryl, a substituted C_{6-10} arylalkyl, a substituted C_{6-10} aryloxy, a substituted C_{6-10} arylalkoxy, a substituted 5-10 membered heteroaryl, a substituted C_{3-10} cycloalkyl, and a substituted 4-10 membered heterocyclyl,

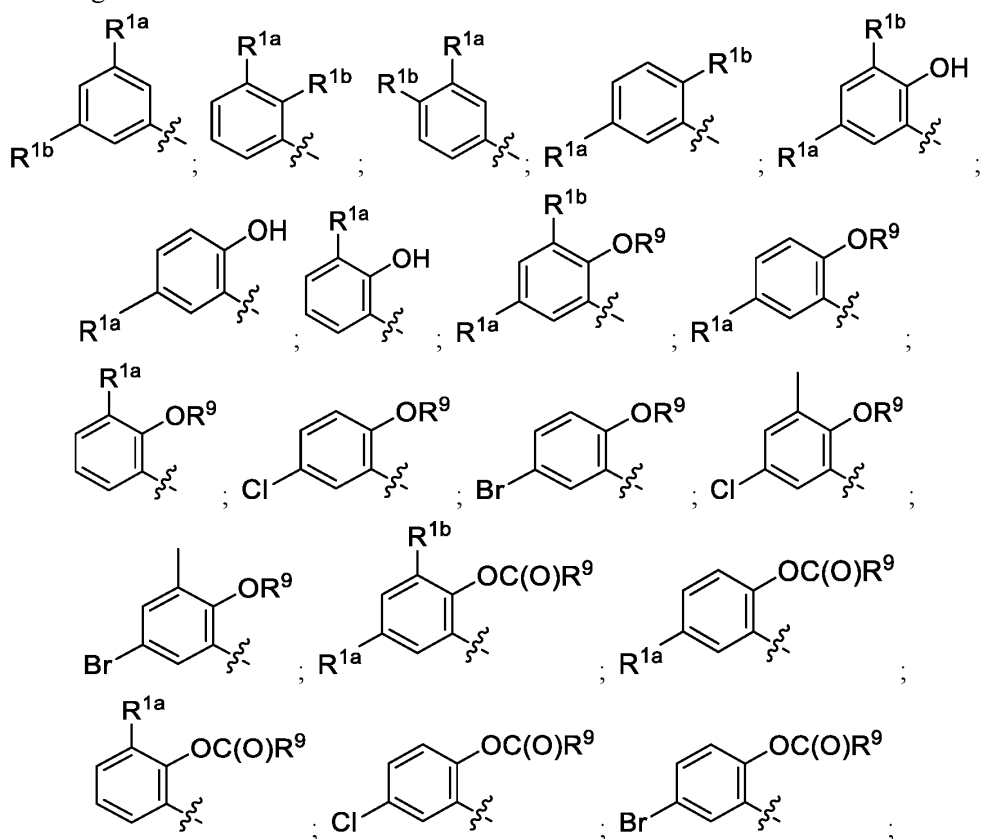
wherein R^{13} , R^{14} , R^{15} , and R^{16} are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

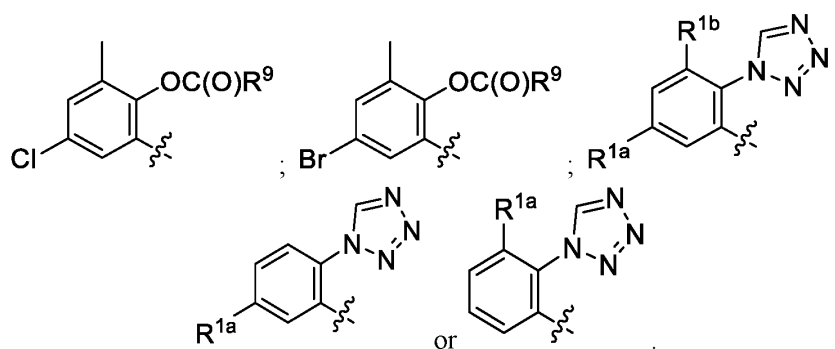
8. The compound of any one of claims 1-7, wherein R^1 is phenyl substituted with at least one substituent selected from the group consisting of halo, haloalkyl, $C(=NR^9)NR^{10}R^{11}$, $C(=NR^9)NR^{10}C(O)OR^{11}$, and 5-10 membered heteroaryl.

9. The compound of claim 8, wherein R¹ is substituted with at least one substituent selected from the group consisting of -C(=NH)NH₂, chloro, fluoro, -CHF₂, and

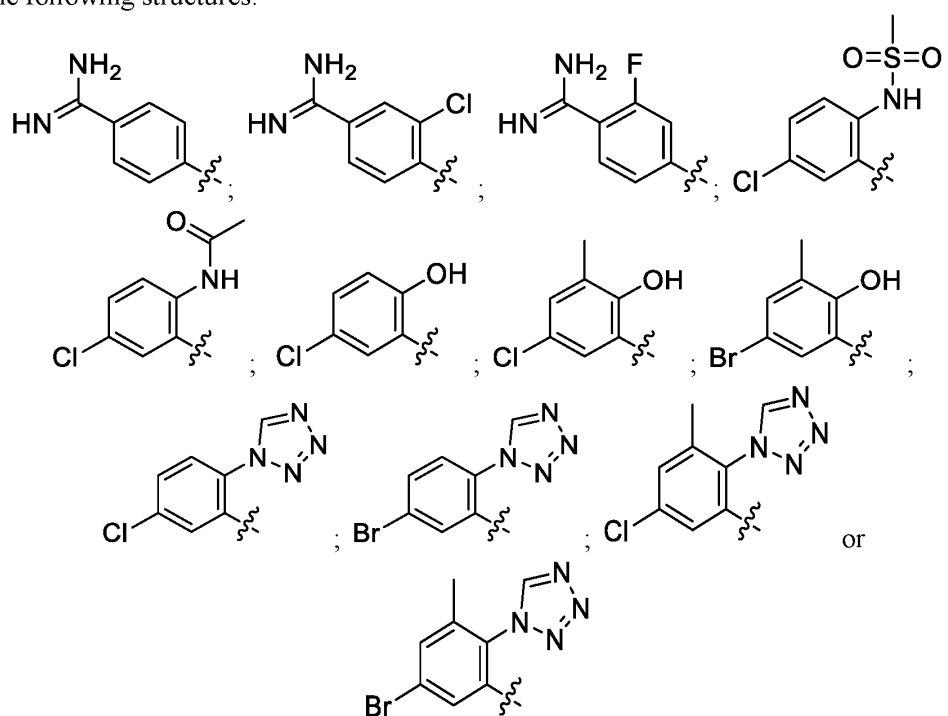


10. The compound of any one of claims 7-9, wherein R¹ has one of the following structures:

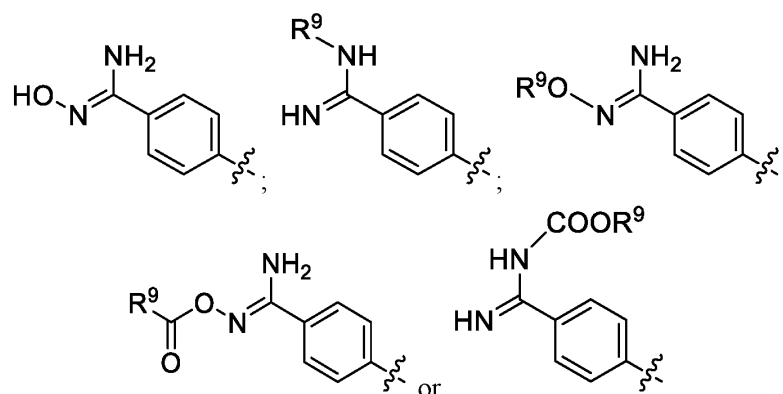




11. The compound of any one of claims 1-10, wherein R^1 has one of the following structures:



12. The compound of claim 7, wherein R^1 has one of the following structures:



13. The compound of claim 12, wherein R^9 is C_{1-6} alkyl or C_{1-6} haloalkyl.
14. The compound of claim 13, wherein R^9 is methyl.
15. The compound of claim 13, wherein R^9 is trifluoromethyl.
16. The compound of any one of claims 1-4, wherein R^1 is an unsubstituted phenyl.
17. The compound of claim 1, wherein R^1 is a substituted or unsubstituted heteroaryl.
18. The compound of claim 1 or 17, wherein R^1 is a substituted or unsubstituted 5-10 membered heteroaryl.
19. The compound of claim 1 or 17-18, wherein R^1 is a substituted or unsubstituted pyridinyl, a substituted or unsubstituted pyrrolopyridinyl, a substituted or unsubstituted imidazopyridinyl, a substituted or unsubstituted thienopyridinyl, a substituted or unsubstituted benzoimidazolyl, a substituted or unsubstituted isoindolinyl, or a substituted or unsubstituted benzothiazolyl.

20. The compound of any one of claims 1 or 17-19, wherein R^1 is a heteroaryl substituted with one or more of R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , and R^{1e} are each independently selected from the group consisting of C_{1-6} alkyl, C_{1-6} deuterated alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, halo, C_{1-6} haloalkyl, aminylalkyl, hydroxyalkyl, cyano, OR^9 , SR^9 , $C(O)R^9$, $C(O)NR^9R^{10}$, $C(O)OR^9$, $OC(O)R^9$, $OC(O)OR^9$, $OC(O)NR^9R^{10}$, NR^9R^{10} , $N(R^9)C(O)R^{10}$, $N(R^9)C(O)NR^{10}R^{11}$, $N(R^9)C(O)OR^{10}$, $C(=NR^9)NR^{10}R^{11}$, $C(=NOR^9)NR^{10}R^{11}$, $C(=NOC(O)R^9)NR^{10}R^{11}$, $C(=NR^9)N(R^{10})C(O)OR^{11}$, $N(R^9)C(=NR^{10})NR^{11}R^{12}$, $S(O)R^9$, $S(O)NR^9R^{10}$, $S(O)_2R^9$, $N(R^9)S(O)_2R^{10}$, $S(O)_2NR^9R^{10}$, oxo, substituted or unsubstituted C_{6-10} aryl, substituted or unsubstituted C_{6-10} arylalkyl, substituted or unsubstituted C_{6-10} aryloxy, substituted or unsubstituted C_{6-10} arylalkoxy, substituted or unsubstituted 5-10 membered heteroaryl, substituted or unsubstituted C_{3-10} cycloalkyl, and substituted or unsubstituted 4-10 membered heterocyclyl,

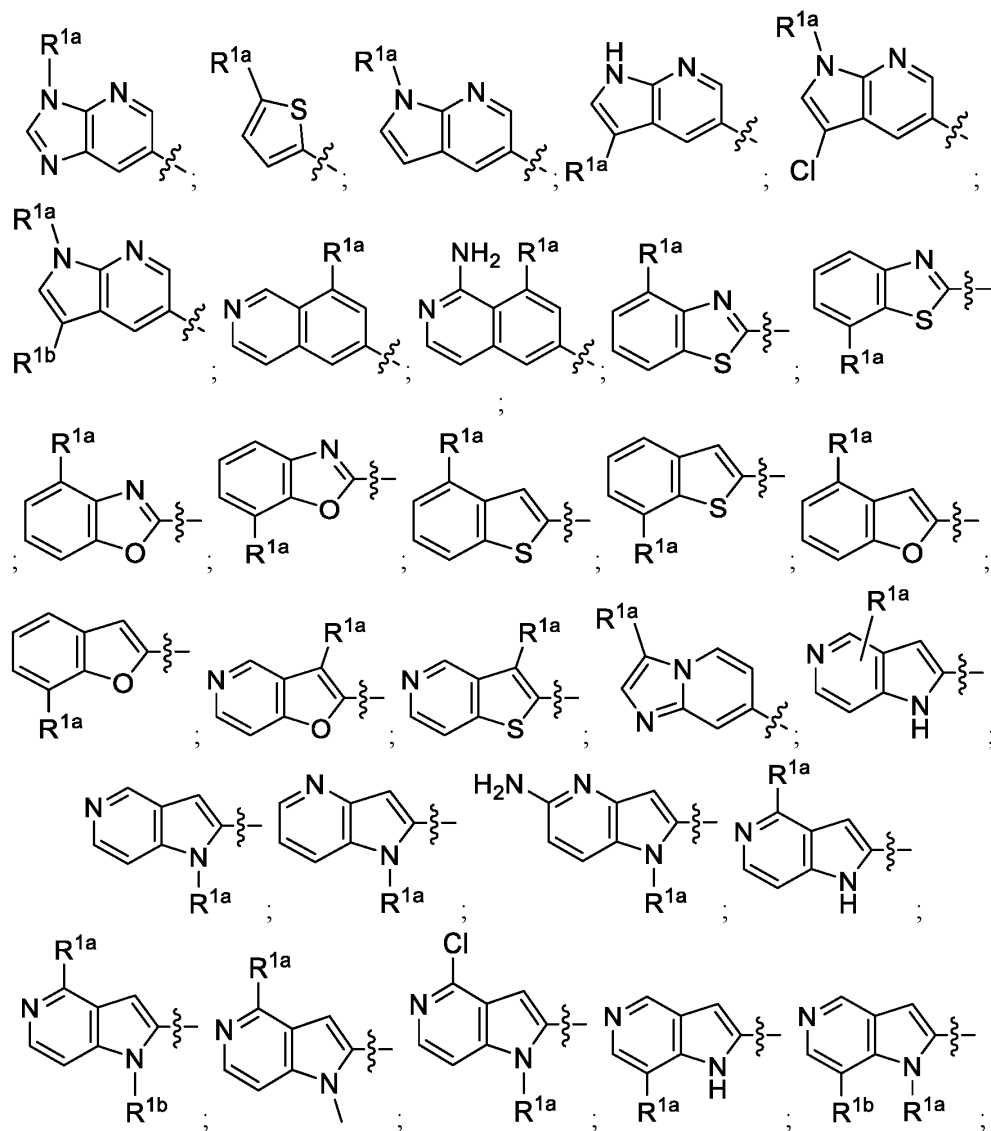
wherein R^9 , R^{10} , R^{11} , and R^{12} , are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

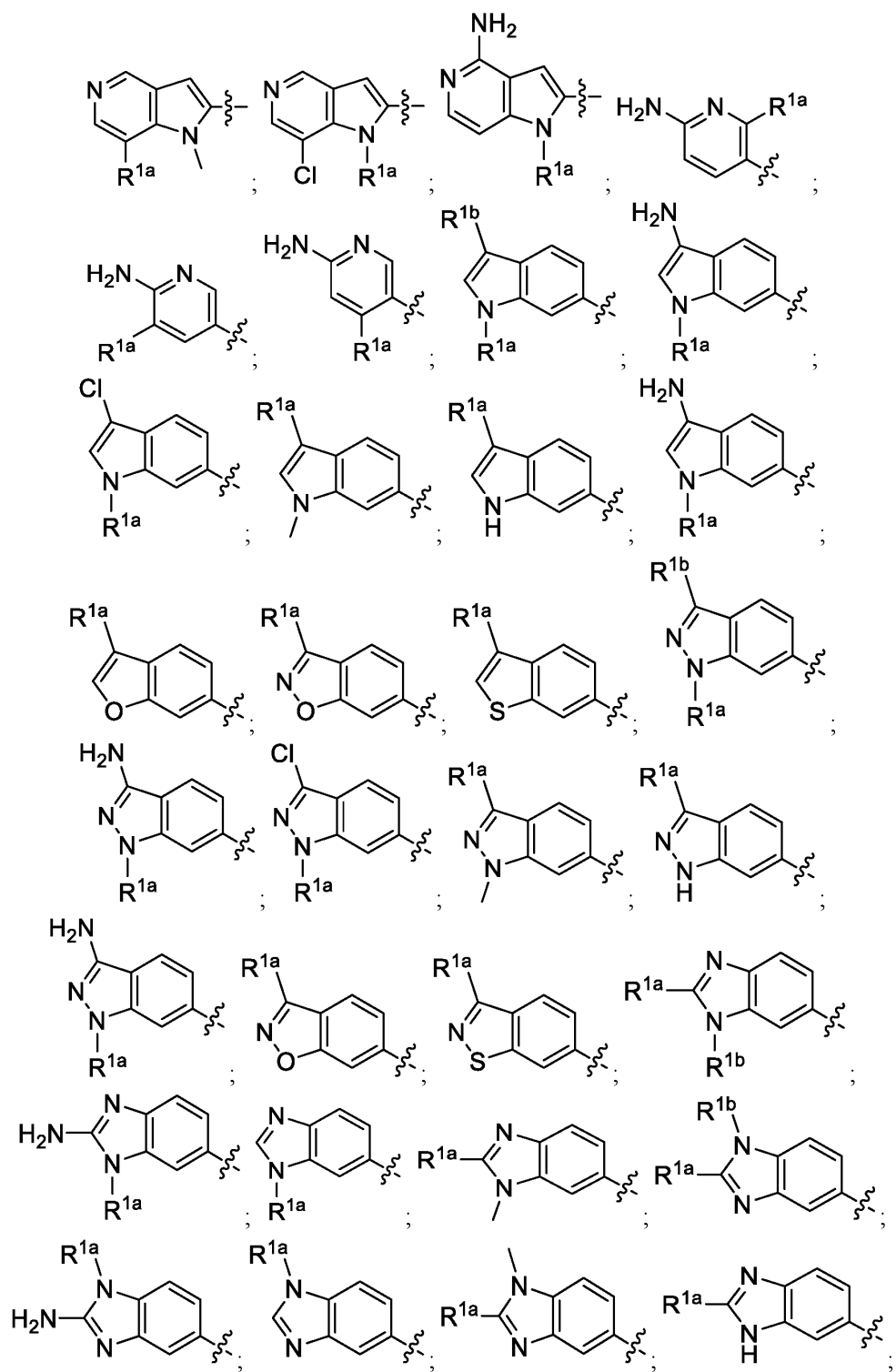
21. The compound of claim 20, wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} is optionally substituted with one or more substituents selected from the group consisting of halo, CN, OR^{13} , SR^{13} , $C(O)R^{13}$, $C(O)NR^{13}R^{14}$, $C(O)OR^{13}$, $OC(O)R^{13}$, $OC(O)NR^{13}R^{14}$, $NR^{13}R^{14}$, $NR^{13}C(O)R^{14}$, $NR^{13}C(O)NR^{14}R^{15}$, $NR^{13}C(O)OR^{14}$, $C(=NR^{13})NR^{14}R^{15}$, $NR^{13}C(=NR^{14})NR^{15}R^{16}$, $S(O)R^{13}$, $S(O)NR^{13}R^{14}$, $S(O)_2R^{13}$, $NR^{13}S(O)_2R^{14}$, $S(O)_2NR^{13}R^{14}$ and oxo when R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} is a substituted C_{6-10} aryl, a substituted C_{6-10} arylalkyl, a substituted C_{6-10} aryloxy, a substituted C_{6-10} arylalkoxy, a substituted 5-10 membered heteroaryl, a substituted C_{3-10} cycloalkyl, and a substituted 4-10 membered heterocyclyl,

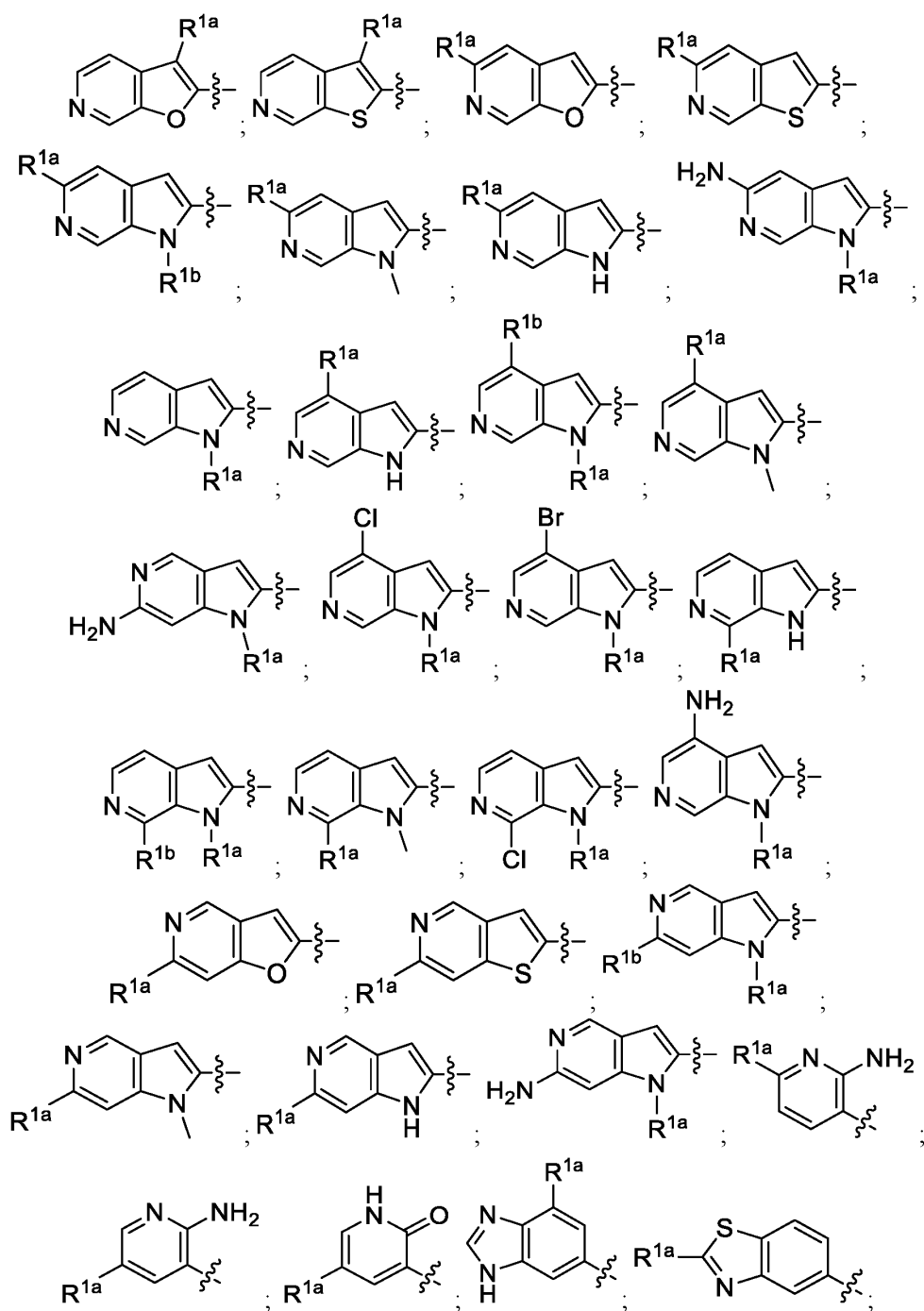
wherein R^{13} , R^{14} , R^{15} , and R^{16} are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl,

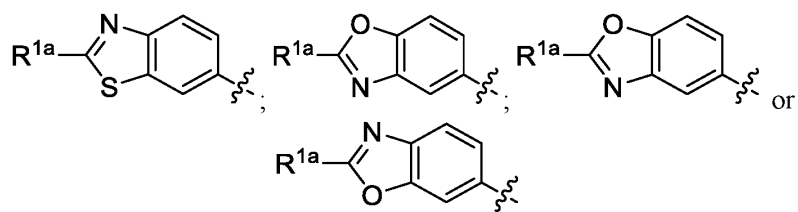
hydroxyl, C₁₋₆ alkoxy, aryl, arylalkyl, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, C₁₋₆ hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

22. The compound of any one of claims 1 or 17-21, wherein R¹ has one of the following structures:









23. The compound of claim 22, wherein R^{1a} or R^{1b} is independently C_{1-6} alkyl, C_{1-6} deuterated alkyl, amino, or halo.

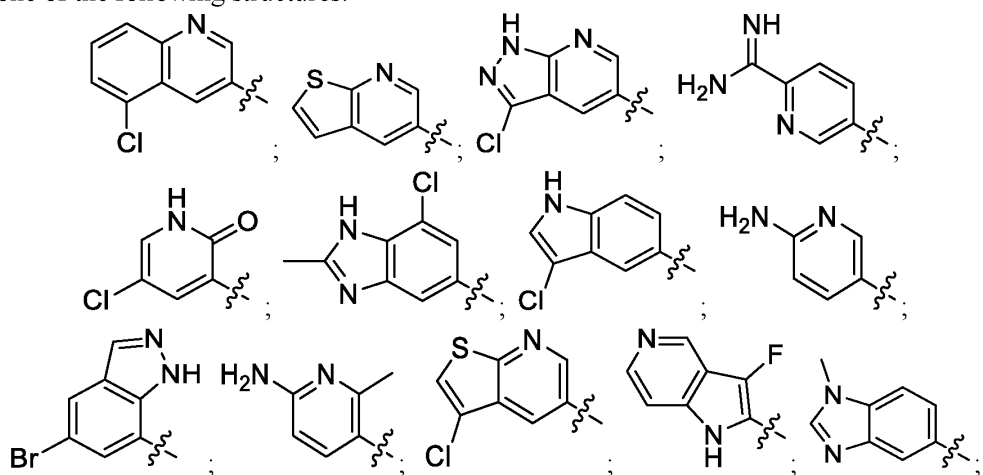
24. The compound of claim 23, wherein R^{1a} or R^{1b} is methyl or CD_3 .

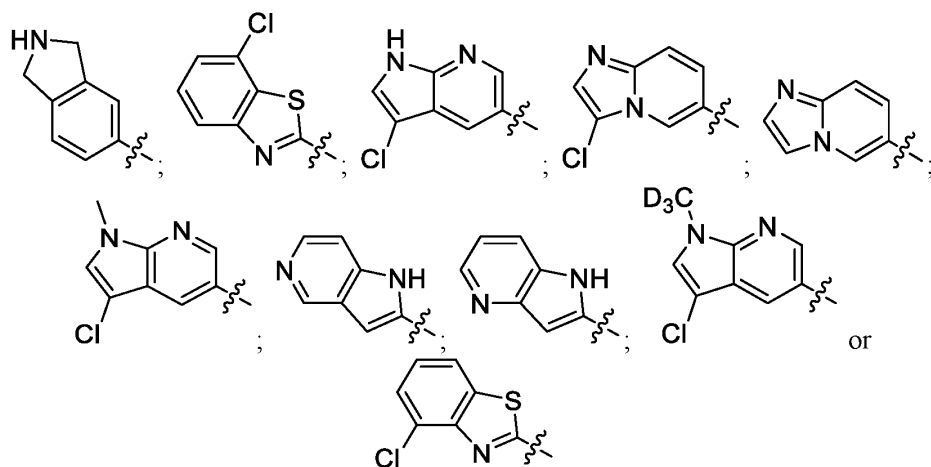
25. The compound of claim 23, wherein R^{1a} or R^{1b} is F, Cl, or Br.

26. The compound of claim 23, wherein each R^{1a} or R^{1b} attached to nitrogen is C_{1-6} alkyl.

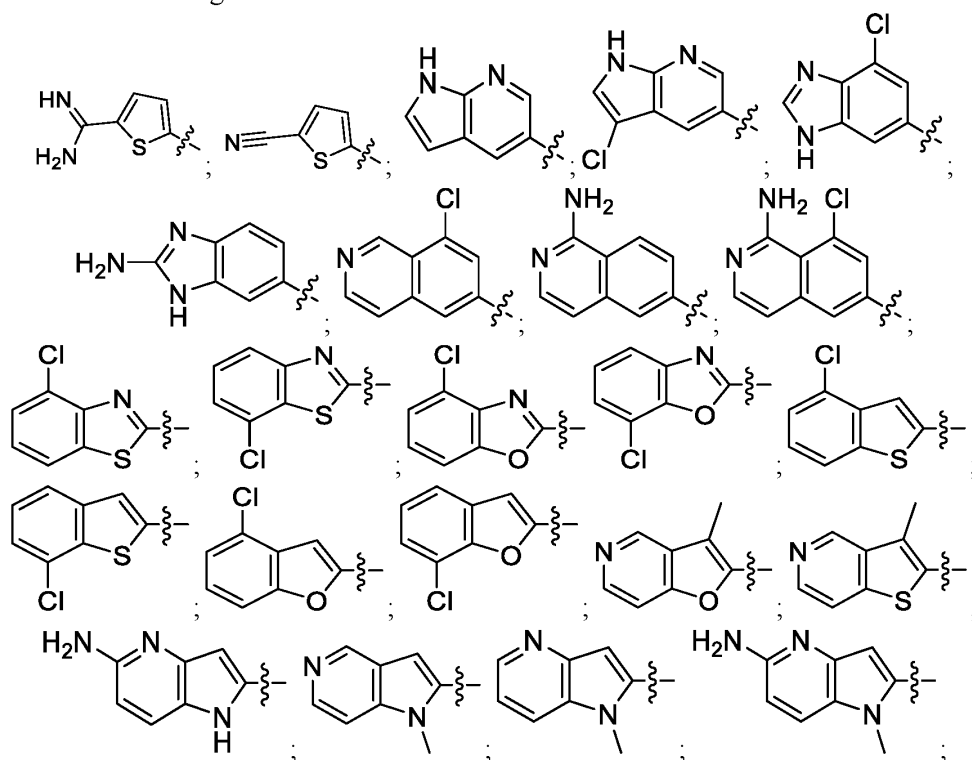
27. The compound of claim 26, wherein R^{1a} or R^{1b} is methyl or ethyl.

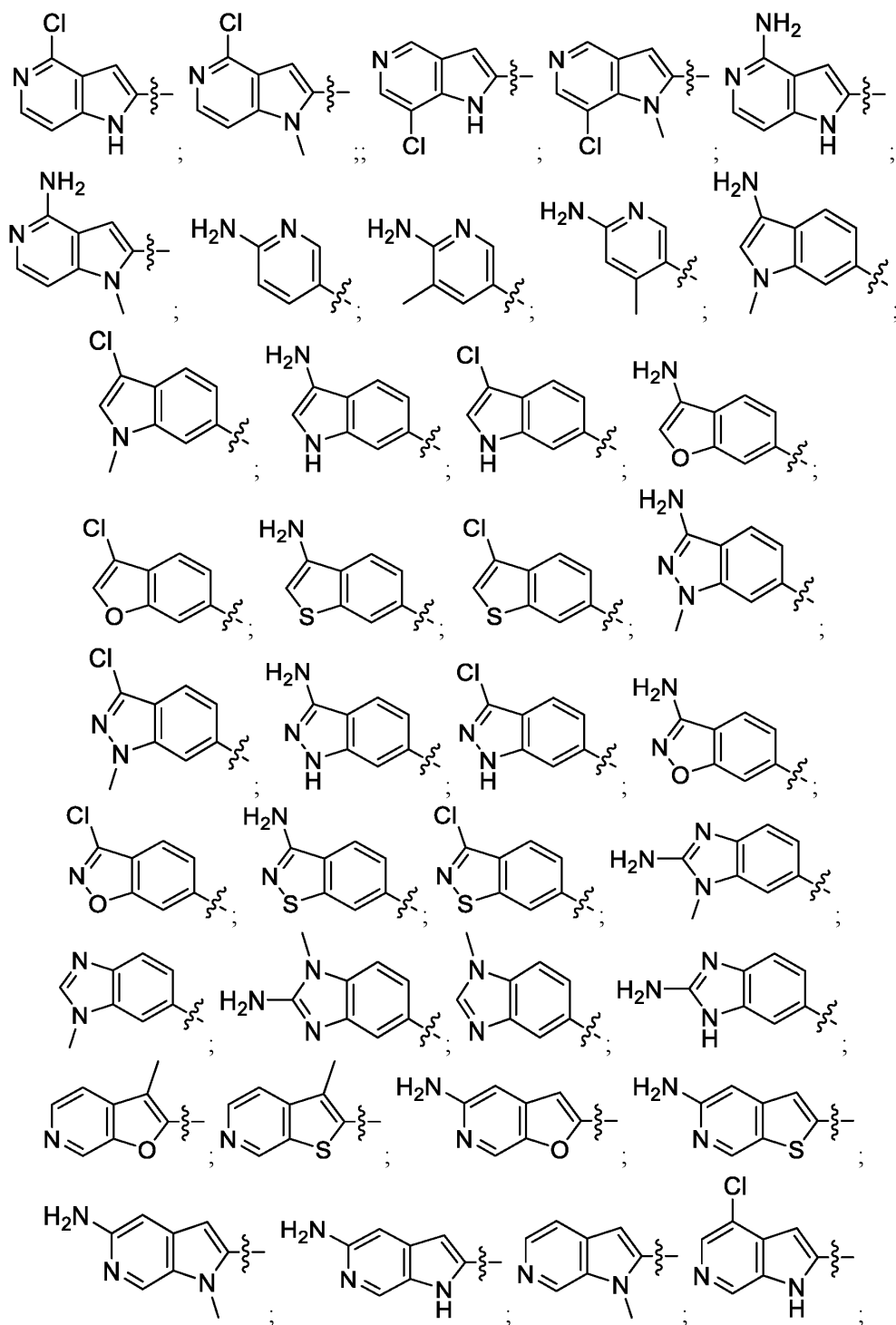
28. The compound of any one of claims 1 or 17-19, wherein R^1 has one of the following structures:

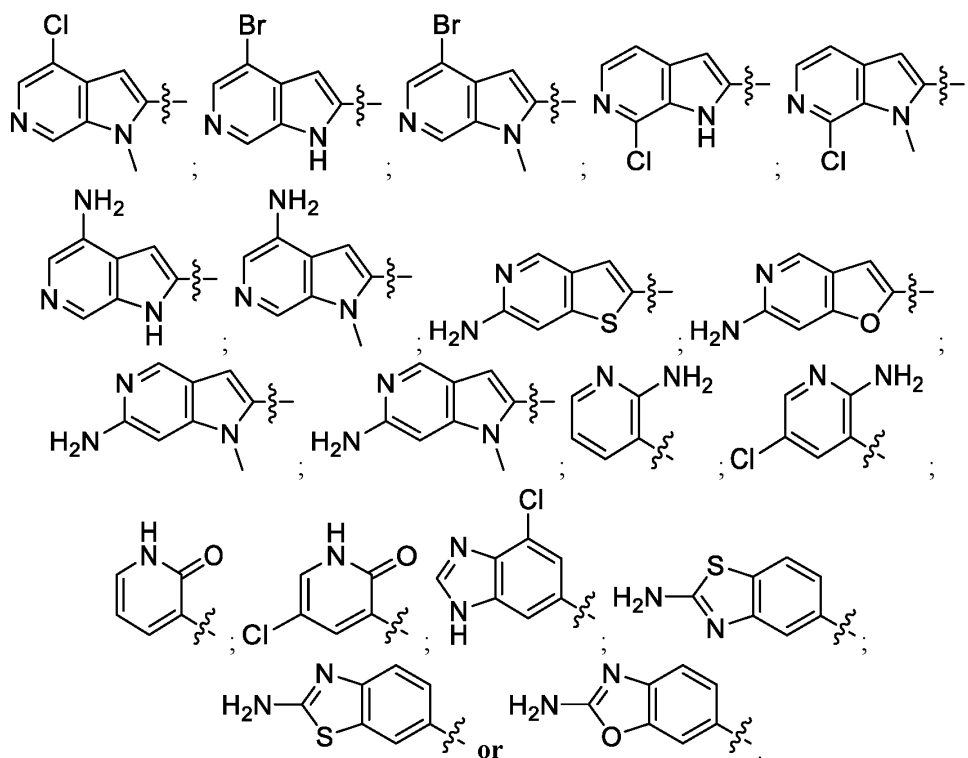




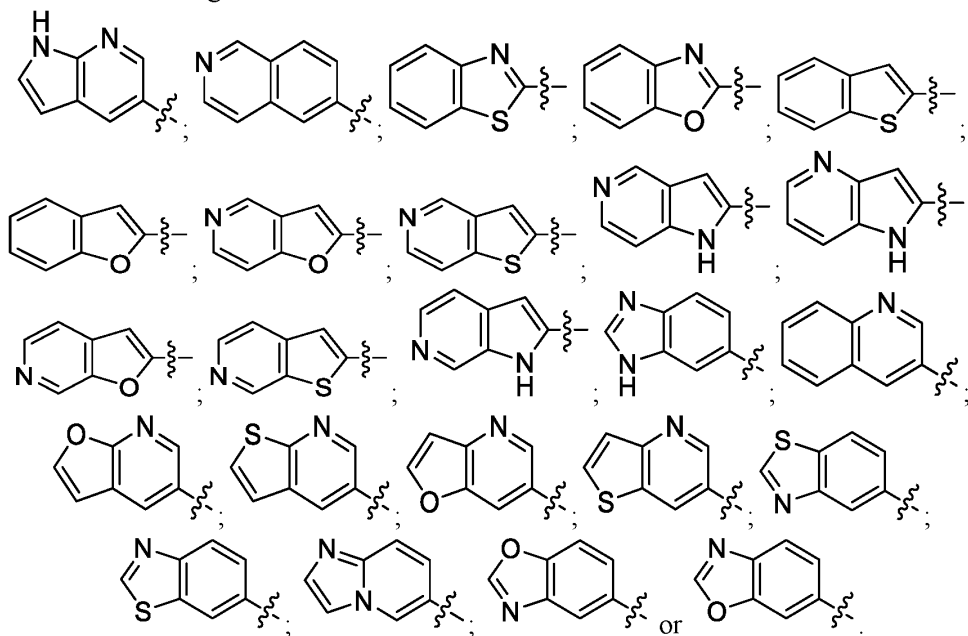
29. The compound of any one of claims 1 or 17-19, wherein R¹ has one of the following structures:







30. The compound of any one of claims 1 or 17-19, wherein R¹ has one of the following structures:



31. The compound of claim 1, wherein R^1 is a substituted or unsubstituted cycloalkyl.

32. The compound of claim 1 or 31, wherein R^1 is a substituted or unsubstituted C_3 - C_6 cycloalkyl.

33. The compound of any one of claims 1 or 31-32, wherein R^1 is a substituted C_3 - C_6 cycloalkyl.

34. The compound of claim 33, wherein R^1 is a C_3 - C_6 cycloalkyl substituted with one or more of R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , and R^{1e} are each independently selected from the group consisting of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, aminylalkyl, hydroxyalkyl, OR^9 , SR^9 , $C(O)R^9$, $C(O)NR^9R^{10}$, $C(O)OR^9$, $OC(O)R^9$, $OC(O)OR^9$, $OC(O)NR^9R^{10}$, NR^9R^{10} , $N(R^9)C(O)R^{10}$, $N(R^9)C(O)NR^{10}R^{11}$, $N(R^9)C(O)OR^{10}$, $C(=NR^9)NR^{10}R^{11}$, $C(=NOR^9)NR^{10}R^{11}$, $C(=NOC(O)R^9)NR^{10}R^{11}$, $C(=NR^9)N(R^{10})C(O)OR^{11}$, $N(R^9)C(=NR^{10})NR^{11}R^{12}$, $S(O)R^9$, $S(O)NR^9R^{10}$, $S(O)_2R^9$, $N(R^9)S(O)_2R^{10}$, $S(O)_2NR^9R^{10}$, oxo, substituted or unsubstituted C_{6-10} aryl, substituted or unsubstituted C_{6-10} arylalkyl, substituted or unsubstituted C_{6-10} aryloxy, substituted or unsubstituted C_{6-10} arylalkoxy, substituted or unsubstituted 5-10 membered heteroaryl, substituted or unsubstituted C_{3-10} cycloalkyl, and substituted or unsubstituted 4-10 membered heterocyclyl,

wherein R^9 , R^{10} , R^{11} , and R^{12} , are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

35. The compound of claim 34, wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} is optionally substituted with one or more substituents selected from the group consisting of halo, CN, OR^{13} , SR^{13} , $C(O)R^{13}$, $C(O)NR^{13}R^{14}$, $C(O)OR^{13}$, $OC(O)R^{13}$, $OC(O)NR^{13}R^{14}$, $NR^{13}R^{14}$, $NR^{13}C(O)R^{14}$, $NR^{13}C(O)NR^{14}R^{15}$, $NR^{13}C(O)OR^{14}$, $C(=NR^{13})NR^{14}R^{15}$,

$\text{NR}^{13}\text{C}(=\text{NR}^{14})\text{NR}^{15}\text{R}^{16}$, $\text{S}(\text{O})\text{R}^{13}$, $\text{S}(\text{O})\text{NR}^{13}\text{R}^{14}$, $\text{S}(\text{O})_2\text{R}^{13}$, $\text{NR}^{13}\text{S}(\text{O})_2\text{R}^{14}$, $\text{S}(\text{O})_2\text{NR}^{13}\text{R}^{14}$ and oxo when R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} is a substituted C_{6-10} aryl, a substituted C_{6-10} arylalkyl, a substituted C_{6-10} aryloxy, a substituted C_{6-10} arylalkoxy, a substituted 5-10 membered heteroaryl, a substituted C_{3-10} cycloalkyl, and a substituted 4-10 membered heterocyclyl,

wherein R^{13} , R^{14} , R^{15} , and R^{16} are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

36. The compound of claim 32, wherein R^1 is an unsubstituted a C_3 - C_6 cycloalkyl.

37. The compound of claim 1, wherein R^1 is a substituted or unsubstituted heterocyclyl.

38. The compound of claim 1 or 37, wherein R^1 is a substituted or unsubstituted 4-10 membered heterocyclyl.

39. The compound of any one of claims 1 or 37-38, wherein R^1 is a substituted 4-10 membered heterocyclyl.

40. The compound of claim 39, wherein R^1 is a 4-10 membered heterocyclyl substituted with one or more of R^{1a} , R^{1b} , R^{1c} , R^{1d} , or R^{1e} wherein R^{1a} , R^{1b} , R^{1c} , R^{1d} , and R^{1e} are each independently selected from the group consisting of C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, halo, C_{1-6} haloalkyl, aminylalkyl, hydroxyalkyl, cyano, OR^9 , SR^9 , $\text{C}(\text{O})\text{R}^9$, $\text{C}(\text{O})\text{NR}^9\text{R}^{10}$, $\text{C}(\text{O})\text{OR}^9$, $\text{OC}(\text{O})\text{R}^9$, $\text{OC}(\text{O})\text{OR}^9$, $\text{OC}(\text{O})\text{NR}^9\text{R}^{10}$, NR^9R^{10} , $\text{N}(\text{R}^9)\text{C}(\text{O})\text{R}^{10}$, $\text{N}(\text{R}^9)\text{C}(\text{O})\text{NR}^{10}\text{R}^{11}$, $\text{N}(\text{R}^9)\text{C}(\text{O})\text{OR}^{10}$, $\text{C}(=\text{NR}^9)\text{NR}^{10}\text{R}^{11}$, $\text{C}(=\text{NOR}^9)\text{NR}^{10}\text{R}^{11}$, $\text{C}(=\text{NOC}(\text{O})\text{R}^9)\text{NR}^{10}\text{R}^{11}$, $\text{C}(=\text{NR}^9)\text{N}(\text{R}^{10})\text{C}(\text{O})\text{OR}^{11}$, $\text{N}(\text{R}^9)\text{C}(=\text{NR}^{10})\text{NR}^{11}\text{R}^{12}$, $\text{S}(\text{O})\text{R}^9$, $\text{S}(\text{O})\text{NR}^9\text{R}^{10}$, $\text{S}(\text{O})_2\text{R}^9$, $\text{N}(\text{R}^9)\text{S}(\text{O})_2\text{R}^{10}$, $\text{S}(\text{O})_2\text{NR}^9\text{R}^{10}$,

oxo, substituted or unsubstituted C₆₋₁₀ aryl, substituted or unsubstituted C₆₋₁₀ arylalkyl, substituted or unsubstituted C₆₋₁₀ aryloxy, substituted or unsubstituted C₆₋₁₀ arylalkoxy, substituted or unsubstituted 5-10 membered heteroaryl, substituted or unsubstituted C₃₋₁₀ cycloalkyl, and substituted or unsubstituted 4-10 membered heterocyclyl,

wherein R⁹, R¹⁰, R¹¹, and R¹², are, at each occurrence, independently selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, hydroxyl, C₁₋₆ alkoxy, aryl, arylalkyl, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, C₁₋₆ hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

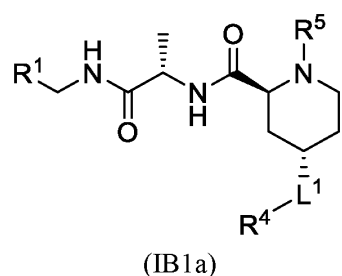
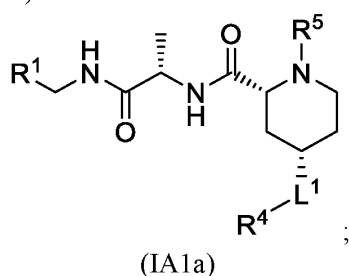
41. The compound of claim 40, wherein R^{1a}, R^{1b}, R^{1c}, R^{1d}, or R^{1e} is optionally substituted with one or more substituents selected from the group consisting of OR¹³, SR¹³, C(O)R¹³, C(O)NR¹³R¹⁴, C(O)OR¹³, OC(O)R¹³, OC(O)NR¹³R¹⁴, NR¹³R¹⁴, NR¹³C(O)R¹⁴, NR¹³C(O)NR¹⁴R¹⁵, NR¹³C(O)OR¹⁴, C(=NR¹³)NR¹⁴R¹⁵, NR¹³C(=NR¹⁴)NR¹⁵R¹⁶, S(O)R¹³, S(O)NR¹³R¹⁴, S(O)₂R¹³, NR¹³S(O)₂R¹⁴, S(O)₂NR¹³R¹⁴ and oxo when R^{1a}, R^{1b}, R^{1c}, R^{1d}, or R^{1e} is a substituted C₆₋₁₀ aryl, a substituted C₆₋₁₀ arylalkyl, a substituted C₆₋₁₀ aryloxy, a substituted C₆₋₁₀ arylalkoxy, a substituted 5-10 membered heteroaryl, a substituted C₃₋₁₀ cycloalkyl, and a substituted 4-10 membered heterocyclyl,

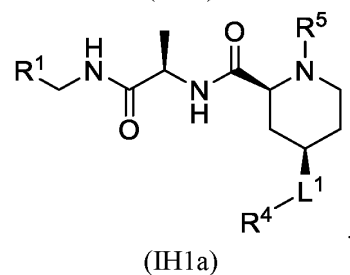
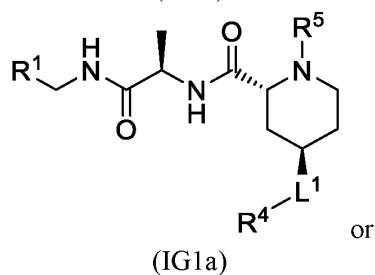
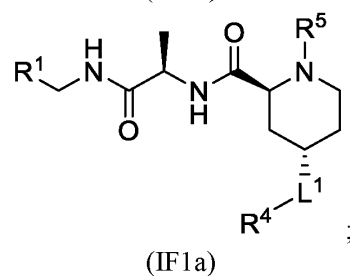
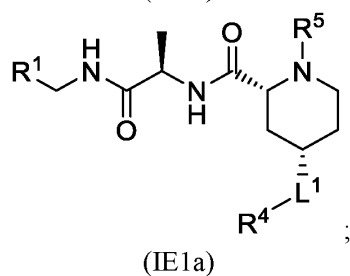
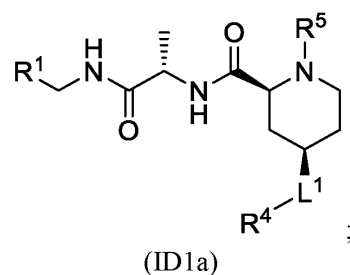
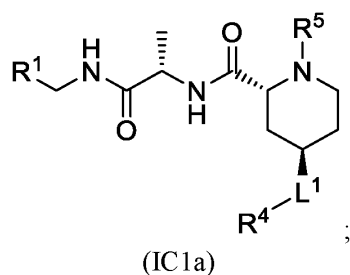
wherein R¹³, R¹⁴, R¹⁵, and R¹⁶ are, at each occurrence, independently selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, hydroxyl, C₁₋₆ alkoxy, aryl, arylalkyl, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, C₁₋₆ hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

42. The compound of claim 37, wherein R¹ is an unsubstituted 4-10 membered heterocyclyl.

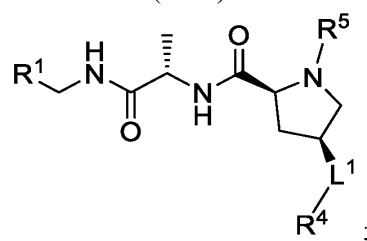
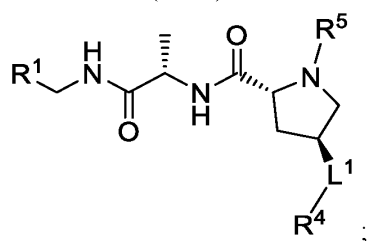
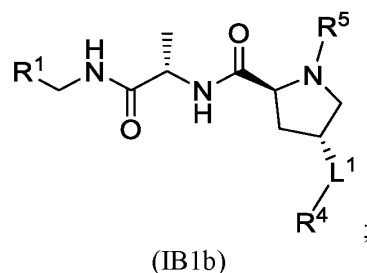
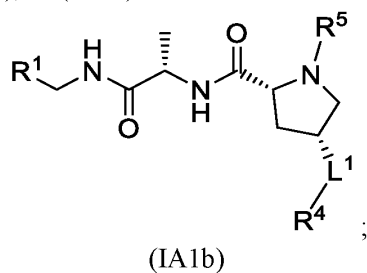
43. The compound of any one of claims 1-42, wherein R² is hydrogen, C₁₋₆ alkyl, or R² and R³, together with the carbon and nitrogen to which they are attached, respectively, form an optionally substituted 4-7 membered heterocyclyl.

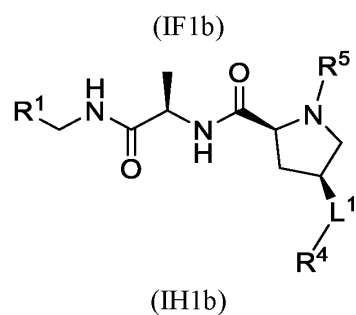
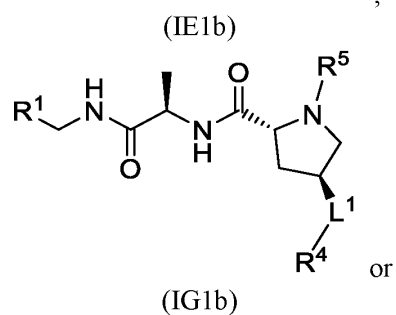
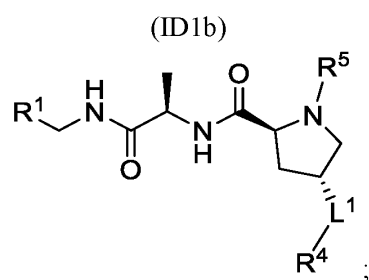
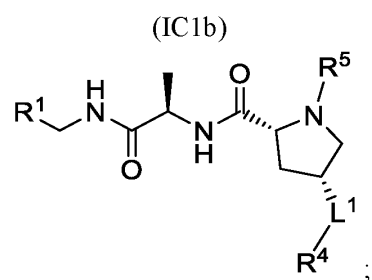
44. The compound of any one of claims 1-43, wherein R^2 is C_1 - C_6 alkyl.
45. The compound of any one of claims 1-44, wherein R^2 is $-CH_3$.
46. The compound of any one of claims 1-44, wherein R^2 is $-CH_2OH$.
47. The compound of any one of claims 1-43, wherein R^2 and R^3 , together with the carbon and nitrogen to which they are attached, respectively, form an optionally substituted 4-7 membered heterocyclyl.
48. The compound of claim 47, wherein R^2 and R^3 , together with the carbon and nitrogen to which they are attached, respectively, form an optionally substituted 4, 5, or 6 membered heterocyclyl.
49. The compound of claim 47 or 48, wherein R^2 and R^3 , together with the carbon and nitrogen to which they are attached, respectively, form an optionally substituted 4-membered heterocyclyl.
50. The compound of any one of claims 1-45, wherein the compound has one of the following Structures (IA1a), (IB1a), (IC1a), (ID1a), (IE1a), (IF1a), (IG1a), or (IH1a):



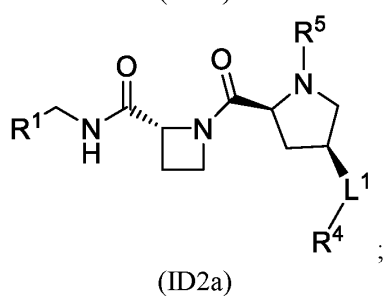
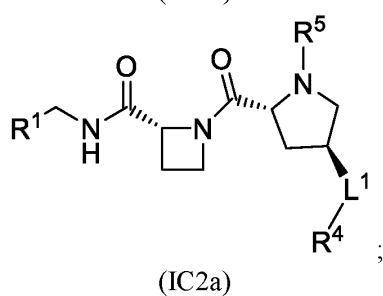
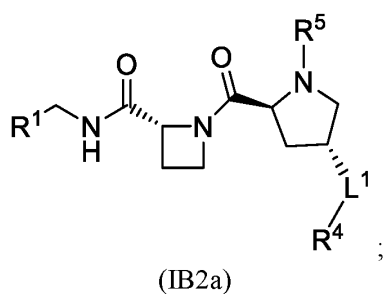
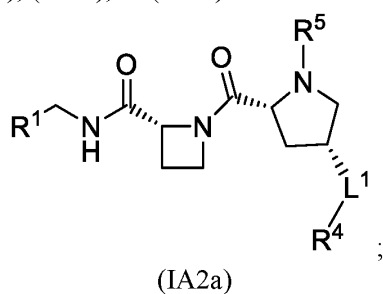


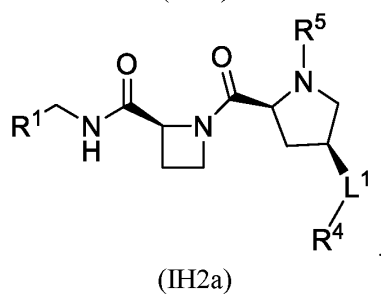
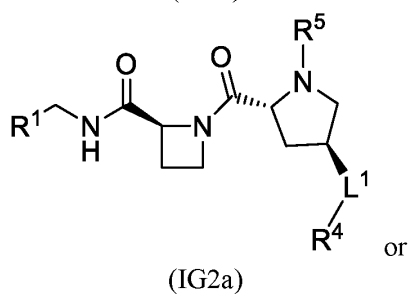
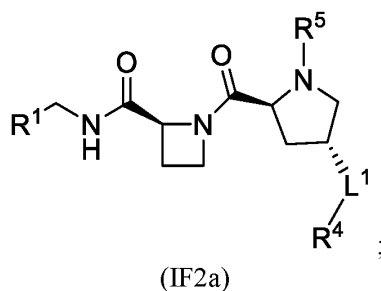
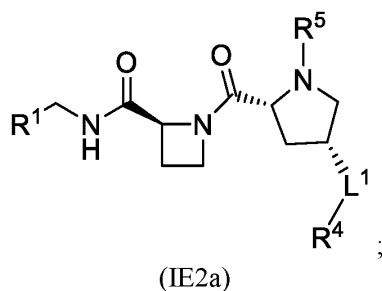
51. The compound of any one of claims 1-45, wherein the compound has one of the following Structures (IA1b), (IB1b), (IC1b), (ID1b), (IE1b), (IF1b), (IG1b), or (IH1b):



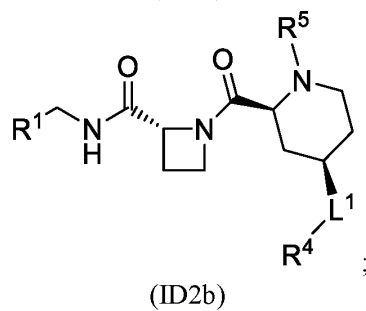
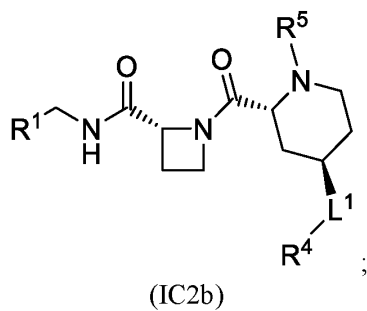
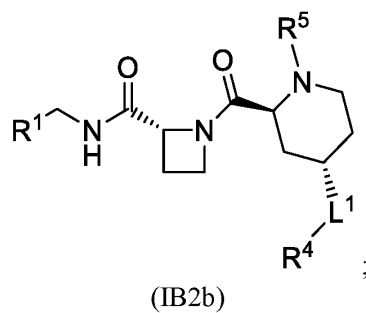
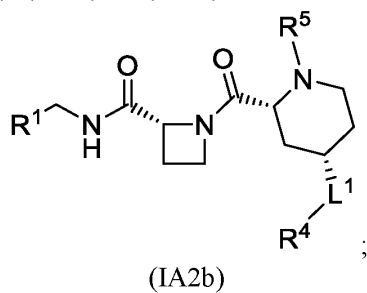


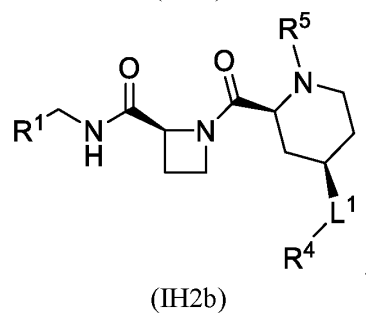
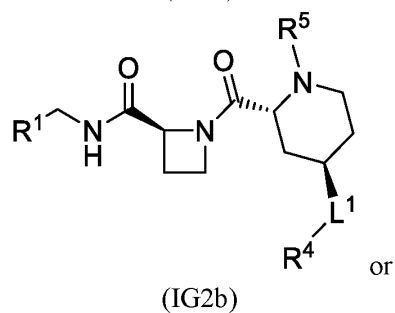
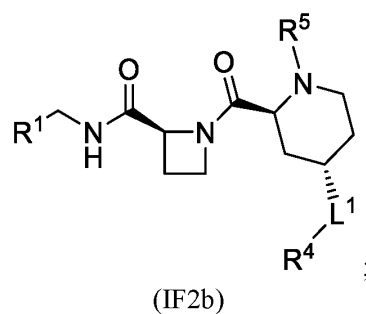
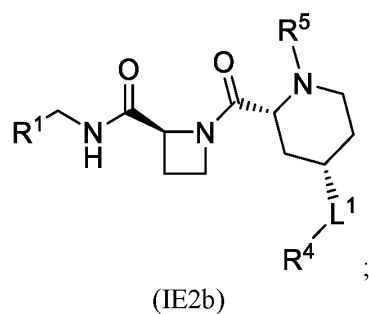
52. The compound of any one of claims 1-43 or 47-49, wherein the compound has one of the following Structures (IA2a), (IB2a), (IC2a), (ID2a), (IE2a), (IF2a), (IG2a), or (IH2a):



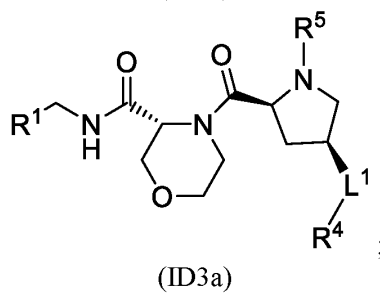
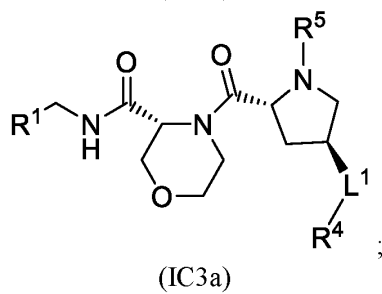
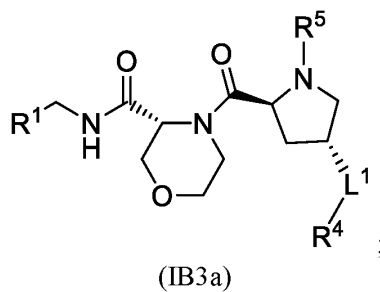
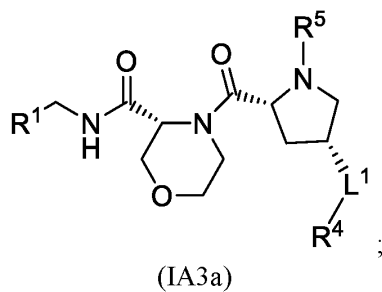


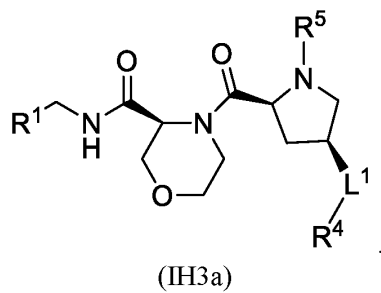
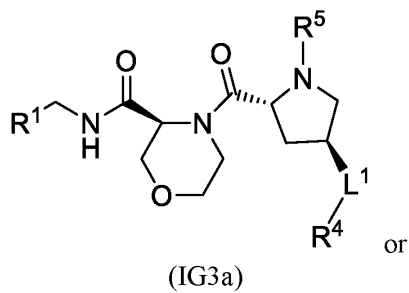
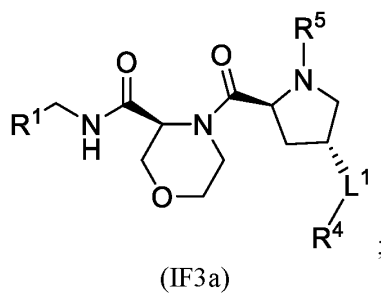
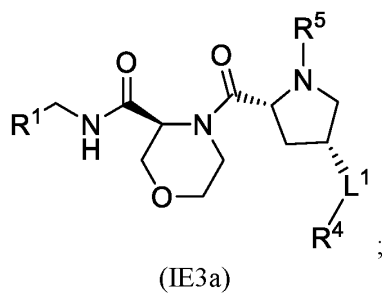
53. The compound of any one of claims 1-43 or 47-49, wherein the compound has one of the following Structures (IA2b), (IB2b), (IC2b), (ID2b), (IE2b), (IF2b), (IG2b), or (IH2b):



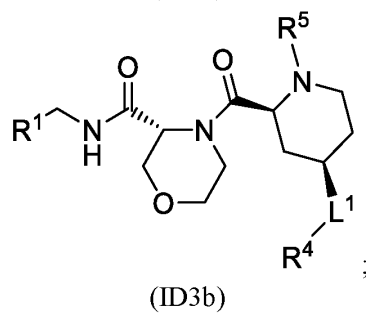
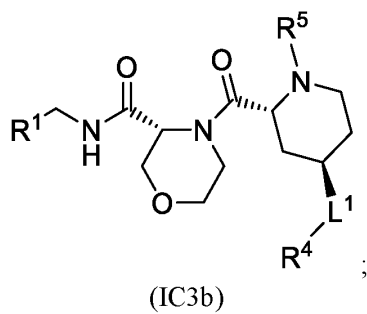
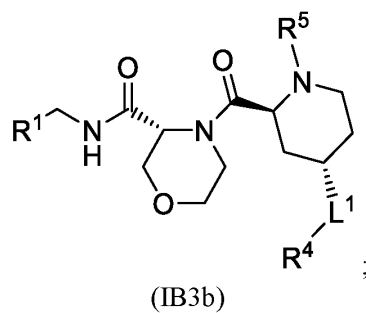
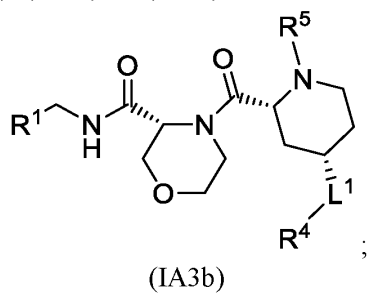


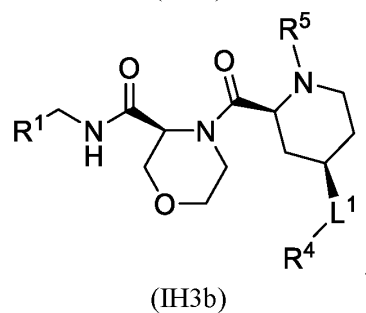
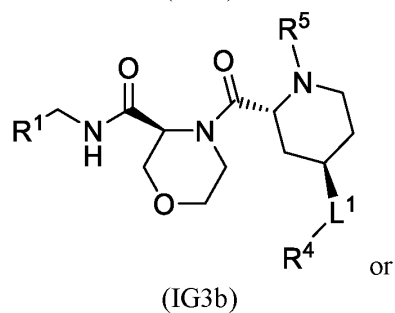
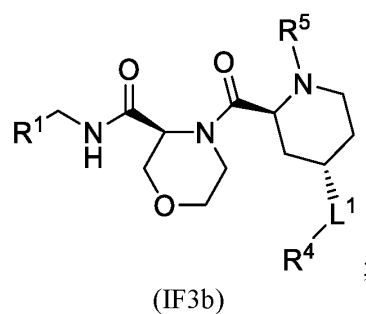
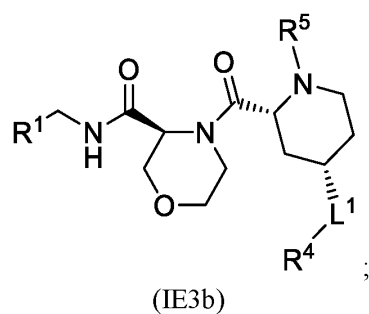
54. The compound of any one of claims 1-43 or 47-48, wherein the compound has one of the following Structures (IA3a), (IB3a), (IC3a), (ID3a), (IE3a), (IF3a), (IG3a), or (IH3a):



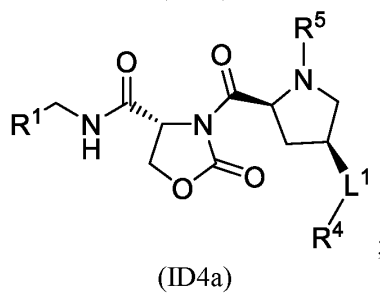
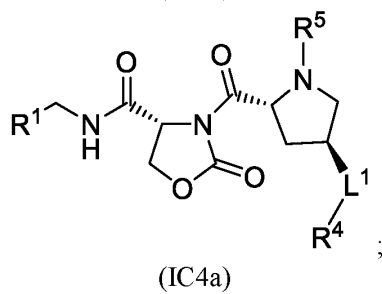
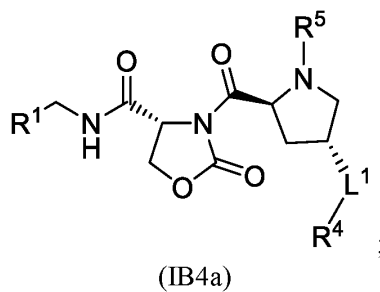
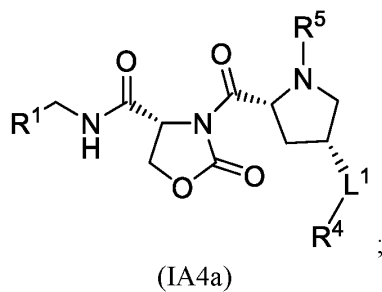


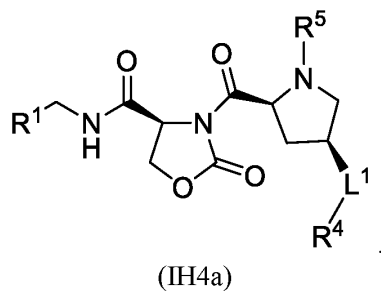
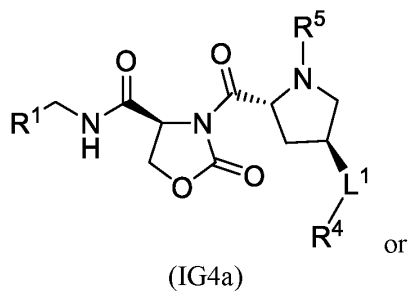
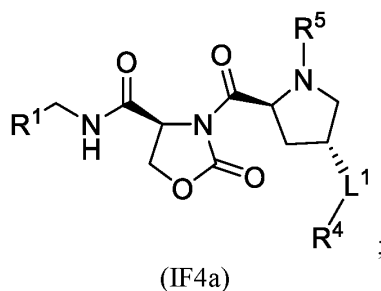
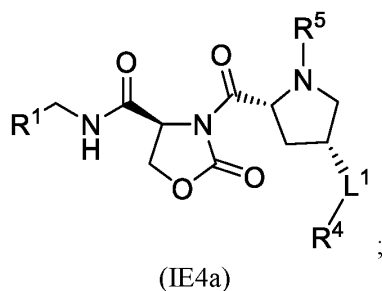
55. The compound of any one of claims 1-43 or 47-48, wherein the compound has one of the following Structures (IA3b), (IB3b), (IC3b), (ID3b), (IE3b), (IF3b), (IG3b), or (IH3b):



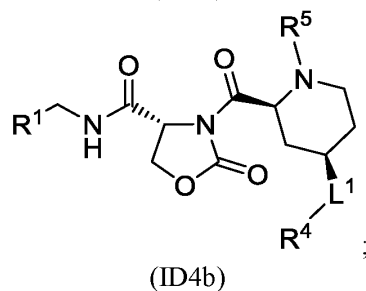
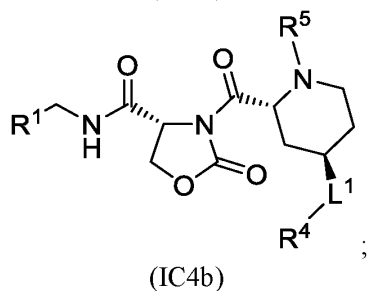
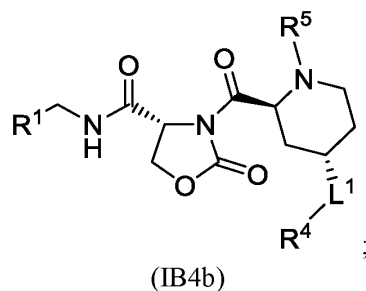
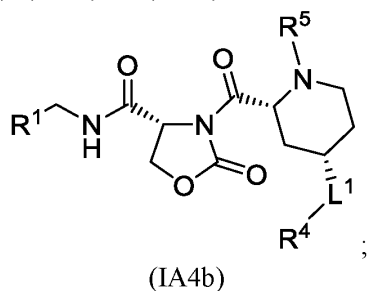


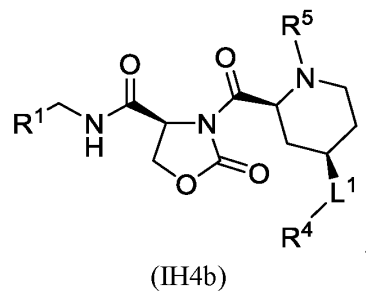
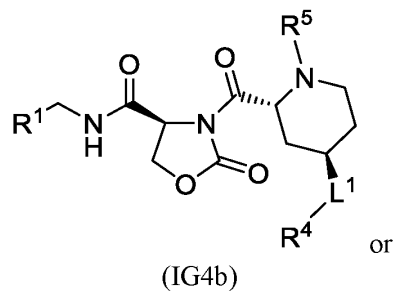
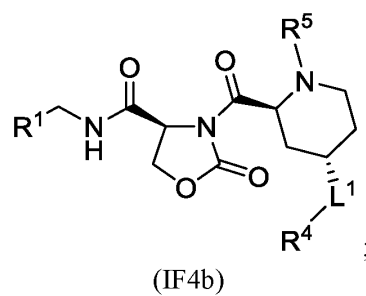
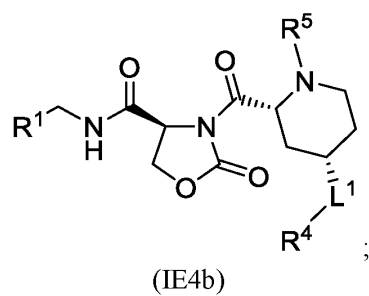
56. The compound of any one of claims 1-43 or 47-48, wherein the compound has one of the following Structures (IA4a), (IB4a), (IC4a), (ID4a), (IE4a), (IF4a), (IG4a), or (IH4a):



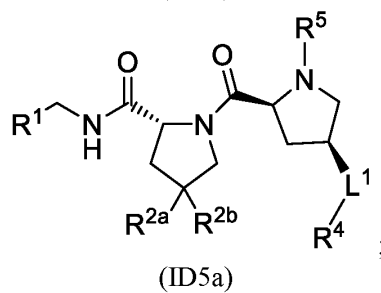
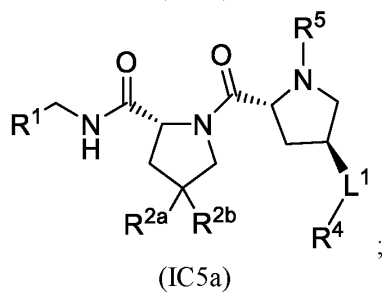
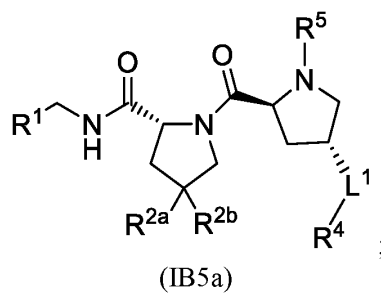
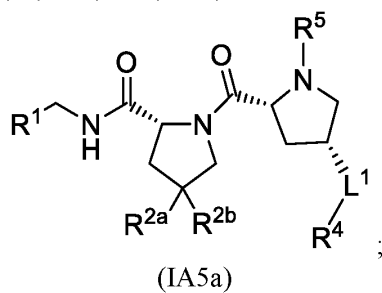


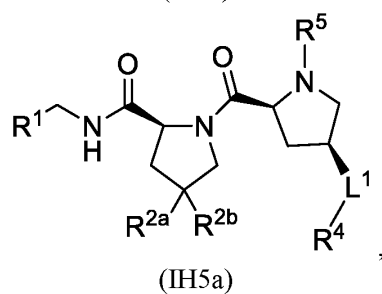
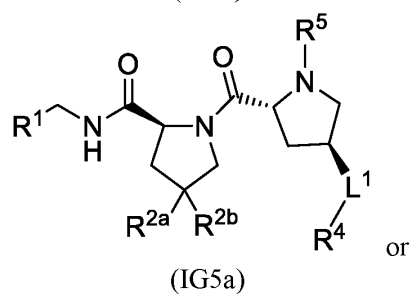
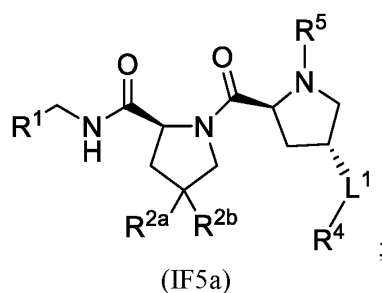
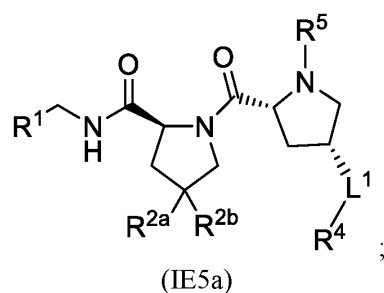
57. The compound of any one of claims 1-43 or 47-48, wherein the compound has one of the following Structures (IA4b), (IB4b), (IC4b), (ID4b), (IE4b), (IF4b), (IG4b), or (IH4b):





58. The compound of any one of claims 1-43 or 47-48, wherein the compound has one of the following Structures (IA5a), (IB5a), (IC5a), (ID5a), (IE5a), (IF5a), (IG5a), or (IH5a):

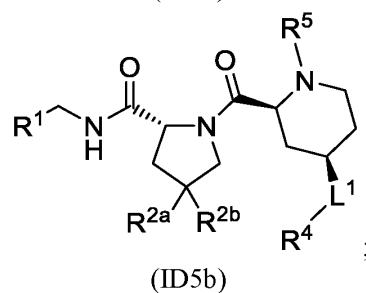
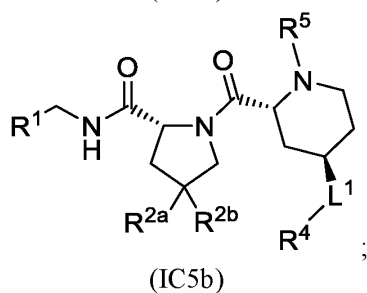
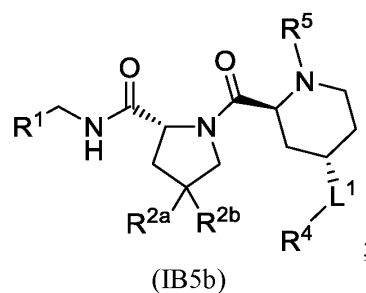
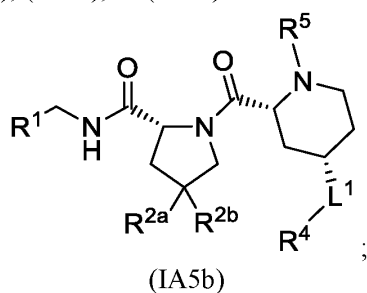


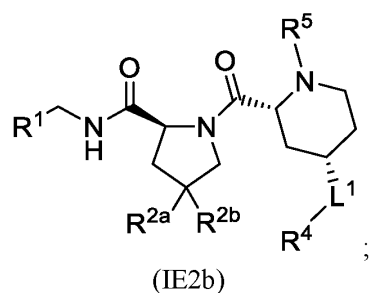


wherein:

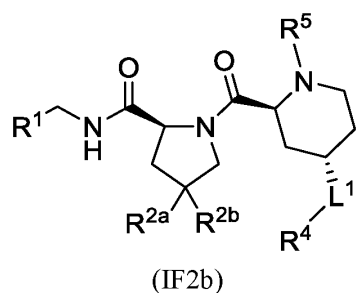
R^{2a} and R^{2b} are each independently hydrogen or halo.

59. The compound of any one of claims 1-43 or 47-48, wherein the compound has one of the following Structures (IA5b), (IB5b), (IC5b), (ID5b), (IE5b), (IF5b), (IG5b), or (IH5b):

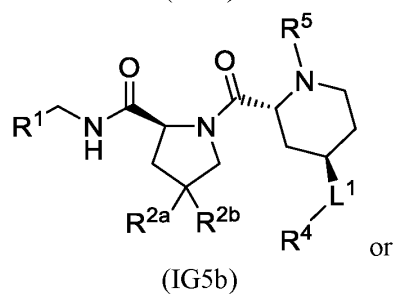




(IE2b)

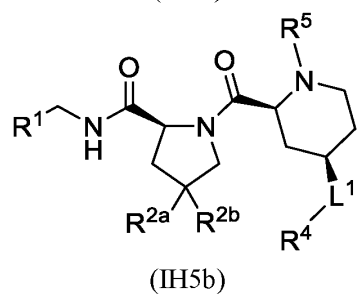


(IF2b)



(IG5b)

or



(IH5b)

wherein:

R^{2a} and R^{2b} are each independently hydrogen or halo.

60. The compound of claim 58 or 59, wherein R^{2a} and R^{2b} are both halo.

61. The compound of claim 60, wherein R^{2a} and R^{2b} are both fluoro.

62. The compound of any one of claims 1-61, wherein R⁴ is a substituted or unsubstituted aryl.

63. The compound of any one of claims 1-62, wherein R⁴ is a substituted or unsubstituted C₆-C₁₀ aryl.

64. The compound of any one of claims 1-63, wherein R⁴ is a substituted or unsubstituted phenyl.

65. The compound of any one of claims 1-64, wherein R⁴ is an unsubstituted phenyl.

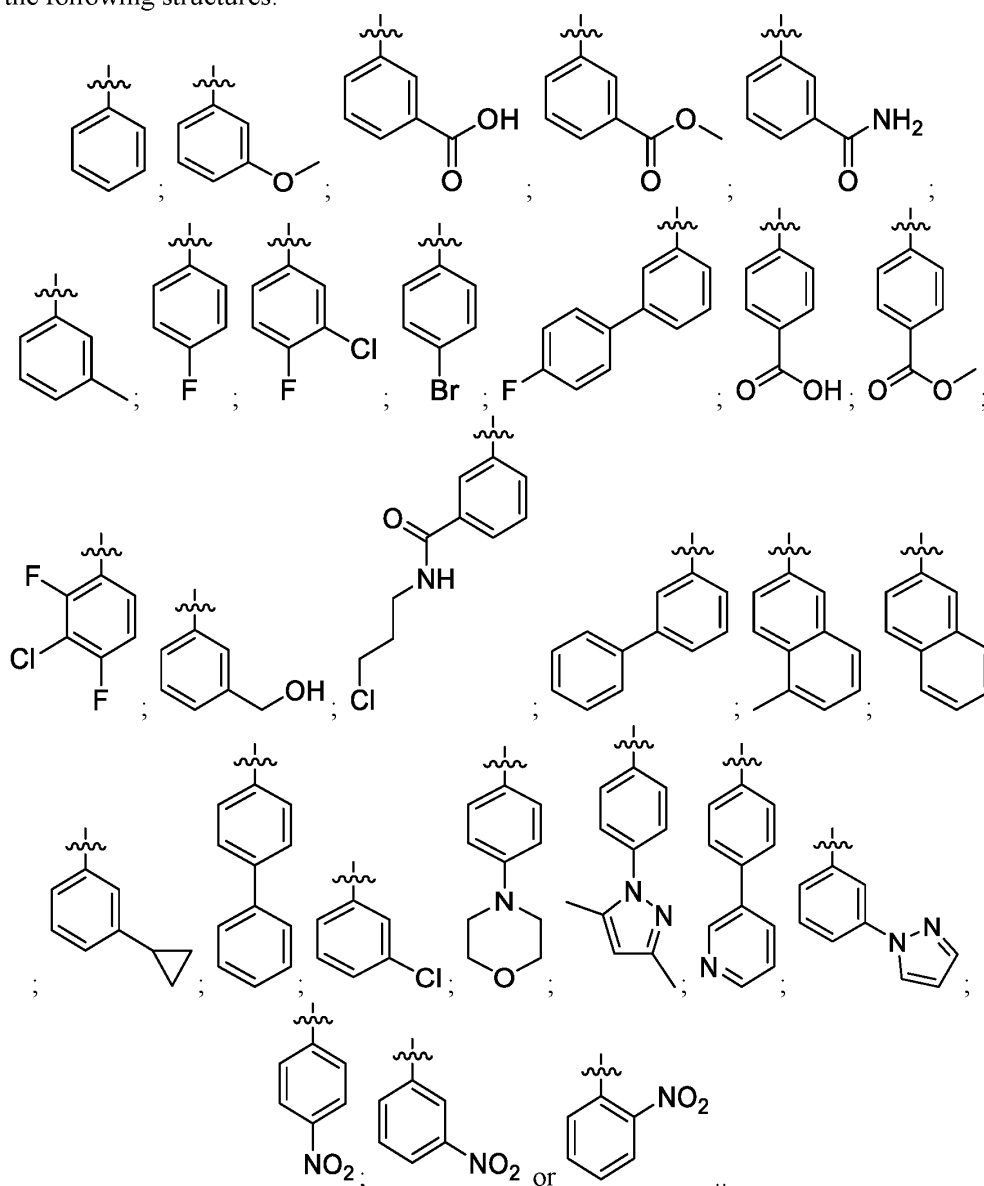
66. The compound of any one of claims 1-64, wherein R⁴ is phenyl substituted with one or more of R^{4a}, R^{4b}, R^{4c}, R^{4d}, or R^{4e} wherein R^{4a}, R^{4b}, R^{4c}, R^{4d}, and R^{4e} are each independently selected from the group consisting of C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, halo, C₁₋₆ haloalkyl, aminylalkyl, hydroxyalkyl, cyano, nitro, OR¹⁷, SR¹⁷, C(O)R¹⁷, C(O)NR¹⁷R¹⁸, C(O)OR¹⁷, OC(O)R¹⁷, OC(O)OR¹⁷, OC(O)NR¹⁷R¹⁸, NR¹⁷R¹⁸, N(R¹⁷)C(O)R¹⁸, N(R¹⁷)C(O)NR¹⁸R¹⁹, N(R¹⁷)C(O)OR¹⁸, C(=NR¹⁷)NR¹⁸R¹⁹, C(=NOR¹⁷)NR¹⁸R¹⁹, C(=NOC(O)R¹⁷)NR¹⁸R¹⁹, C(=NR¹⁷)N(R¹⁸)C(O)OR¹⁹, N(R¹⁷)C(=NR¹⁸)NR¹⁹R²⁰, S(O)R¹⁷, S(O)NR¹⁷R¹⁸, S(O)₂R¹⁷, N(R¹⁷)S(O)₂R¹⁸, S(O)₂NR¹⁷R¹⁸, oxo, substituted or unsubstituted C₆₋₁₀ aryl, substituted or unsubstituted C₆₋₁₀ arylalkyl, substituted or unsubstituted C₆₋₁₀ aryloxy, substituted or unsubstituted C₆₋₁₀ arylalkoxy, substituted or unsubstituted 5-10 membered heteroaryl, substituted or unsubstituted C₃₋₁₀ cycloalkyl, and substituted or unsubstituted 4-10 membered heterocyclyl,

wherein R¹⁷, R¹⁸, R¹⁹, and R²⁰, are, at each occurrence, independently selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, hydroxyl, C₁₋₆ alkoxy, aryl, arylalkyl, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, C₁₋₆ hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

67. The compound of claim 66, wherein R^{4a}, R^{4b}, R^{4c}, R^{4d}, or R^{4e} is optionally substituted with one or more substituents selected from the group consisting of OR²¹, SR²¹, C(O)R²¹, C(O)NR²¹R²², C(O)OR²¹, OC(O)R²¹, OC(O)NR²¹R²², NR²¹R²², NR²¹C(O)R²², NR²¹C(O)NR²²R²³, NR²¹C(O)OR²², C(=NR²¹)NR²²R²³, NR²¹C(=NR²²)NR²³R²⁴, S(O)R²¹, S(O)NR²¹R²², S(O)₂R²¹, NR²¹S(O)₂R²², S(O)₂NR²¹R²² and oxo when R^{4a}, R^{4b}, R^{4c}, R^{4d}, or R^{4e} is a substituted C₆₋₁₀ aryl, a substituted C₆₋₁₀ arylalkyl, a substituted C₆₋₁₀ aryloxy, a substituted C₆₋₁₀ arylalkoxy, a substituted 5-10 membered heteroaryl, a substituted C₃₋₁₀ cycloalkyl, and a substituted 4-10 membered heterocyclyl,

wherein R^{21} , R^{22} , R^{23} , and R^{24} are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

68. The compound of any one of claims 1-63, wherein R^4 has one of the following structures:



69. The compound of any one of claims 1-61, wherein R⁴ is a substituted or unsubstituted heteroaryl.

70. The compound of any one of claims 1-61 or 69, wherein R⁴ is a 4-10 membered heteroaryl.

71. The compound of any one of claims 1-61 or 69-70, wherein R⁴ is an unsubstituted 4-10 membered heteroaryl.

72. The compound of any one of claims 1-61, wherein R⁴ is a 4-10 membered heteroaryl substituted with one or more of R^{4a}, R^{4b}, R^{4c}, R^{4d}, or R^{4e} wherein R^{4a}, R^{4b}, R^{4c}, R^{4d}, and R^{4e} are each independently selected from the group consisting of C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, halo, C₁₋₆ haloalkyl, aminylalkyl, hydroxyalkyl, cyano, nitro, OR¹⁷, SR¹⁷, C(O)R¹⁷, C(O)NR¹⁷R¹⁸, C(O)OR¹⁷, OC(O)R¹⁷, OC(O)OR¹⁷, OC(O)NR¹⁷R¹⁸, NR¹⁷R¹⁸, N(R¹⁷)C(O)R¹⁸, N(R¹⁷)C(O)NR¹⁸R¹⁹, N(R¹⁷)C(O)OR¹⁸, C(=NR¹⁷)NR¹⁸R¹⁹, C(=NOR¹⁷)NR¹⁸R¹⁹, C(=NOC(O)R¹⁷)NR¹⁸R¹⁹, C(=NR¹⁷)N(R¹⁸)C(O)OR¹⁹, N(R¹⁷)C(=NR¹⁸)NR¹⁹R²⁰, S(O)R¹⁷, S(O)NR¹⁷R¹⁸, S(O)₂R¹⁷, N(R¹⁷)S(O)₂R¹⁸, S(O)₂NR¹⁷R¹⁸, oxo, substituted or unsubstituted C₆₋₁₀ aryl, substituted or unsubstituted C₆₋₁₀ arylalkyl, substituted or unsubstituted C₆₋₁₀ aryloxy, substituted or unsubstituted C₆₋₁₀ arylalkoxy, substituted or unsubstituted 5-10 membered heteroaryl, substituted or unsubstituted C₃₋₁₀ cycloalkyl, and substituted or unsubstituted 4-10 membered heterocyclyl,

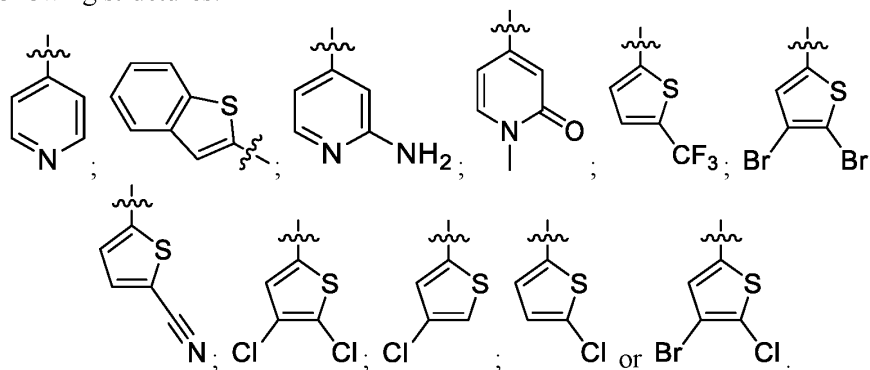
wherein R¹⁷, R¹⁸, R¹⁹, and R²⁰, are, at each occurrence, independently selected from the group consisting of hydrogen, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, hydroxyl, C₁₋₆ alkoxy, aryl, arylalkyl, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, C₁₋₆ hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

73. The compound of claim 72, wherein R^{4a}, R^{4b}, R^{4c}, R^{4d}, or R^{4e} is optionally substituted with one or more substituents selected from the group consisting of halo, CN, OR²¹, SR²¹, C(O)R²¹, C(O)NR²¹R²², C(O)OR²¹, OC(O)R²¹, OC(O)NR²¹R²²,

$\text{NR}^{21}\text{R}^{22}$, $\text{NR}^{21}\text{C}(\text{O})\text{R}^{22}$, $\text{NR}^{21}\text{C}(\text{O})\text{NR}^{22}\text{R}^{23}$, $\text{NR}^{21}\text{C}(\text{O})\text{OR}^{22}$, $\text{C}(=\text{NR}^{21})\text{NR}^{22}\text{R}^{23}$, $\text{NR}^{21}\text{C}(=\text{NR}^{22})\text{NR}^{23}\text{R}^{24}$, $\text{S}(\text{O})\text{R}^{21}$, $\text{S}(\text{O})\text{NR}^{21}\text{R}^{22}$, $\text{S}(\text{O})_2\text{R}^{21}$, $\text{NR}^{21}\text{S}(\text{O})_2\text{R}^{22}$, $\text{S}(\text{O})_2\text{NR}^{21}\text{R}^{22}$ and oxo when R^{4a} , R^{4b} , R^{4c} , R^{4d} , or R^{4e} is a substituted C_{6-10} aryl, a substituted C_{6-10} arylalkyl, a substituted C_{6-10} aryloxy, a substituted C_{6-10} arylalkoxy, a substituted 5-10 membered heteroaryl, a substituted C_{3-10} cycloalkyl, and a substituted 4-10 membered heterocyclyl,

wherein R^{21} , R^{22} , R^{23} , and R^{24} are, at each occurrence, independently selected from the group consisting of hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, hydroxyl, C_{1-6} alkoxy, aryl, arylalkyl, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{1-6} hydroxyalkyl, cycloalkyl, heterocyclyl, and heteroaryl.

74. The compound of any one of claims 1-61, wherein R^4 has one of the following structures:



75. The compound of any one of claims 1-74, wherein R^5 is hydrogen.

76. The compound of any one of claims 1-74, wherein R^5 is alkyl, phosphonalkyl, $(\text{CH}_2)_m\text{NR}^6\text{S}(\text{O})_2\text{R}^7$, or $(\text{CH}_2)_m\text{C}(=\text{O})\text{OR}^6$.

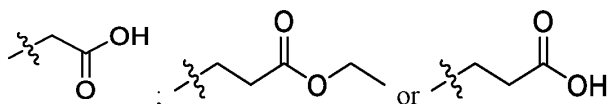
77. The compound of claim 76, wherein R^5 is alkyl.

78. The compound of claim 76 or 77, wherein R^5 is methyl.

79. The compound of claim 76 or 77, wherein R^5 is ethyl.

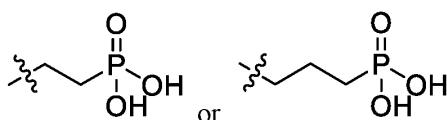
80. The compound of claim 76, wherein R^5 is $(CH_2)_mC(=O)OR^6$.

81. The compound of claim 76 or 80, wherein R^5 has one of the following structures:



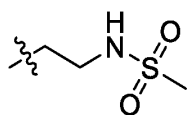
82. The compound of claim 76, wherein R^5 is phosphonalkyl.

83. The compound of claim 82, wherein R^5 has one of the following structures:



84. The compound of claim 76, wherein R^5 is $(CH_2)_mNR^6S(O)_2R^7$.

85. The compound of claim 84, wherein R^5 has the following structure:



86. The compound of any one of claims 1-85, wherein $\equiv$ represents a single bond at each occurrence.

87. The compound of any one of claims 1-86, wherein $\equiv$ represents a double bond for at least one occurrence.

88. The compound of any one of claims 1-87, wherein L^1 is a direct bond.
89. The compound of any one of claims 1-87, wherein L^1 is -O-.
90. The compound of any one of claims 1-87, wherein L^1 is -CH₂-.
91. The compound of any one of claims 1-87, wherein L^1 is -CR^{8a}R^{8b}- and R^{8a} and R^{8b} together with the carbon to which they are attached form an optionally substituted 3-6 membered cycloalkyl.
92. The compound of claim 87, wherein R^{8a} and R^{8b}, together with the carbon to which they are attached form an optionally substituted 3, 4, or 5 membered cycloalkyl.
93. The compound of claim 87, wherein R^{8a} and R^{8b}, together with the carbon to which they are attached form an optionally substituted 3 membered cycloalkyl.
94. The compound of claim 93, wherein the 3-membered cycloalkyl is unsubstituted.
95. A compound having one of the structures in Table 1 or a stereoisomer, tautomer, or pharmaceutically acceptable salt thereof.
96. A pharmaceutical composition comprising a compound or pharmaceutically acceptable salt thereof of any one of claims 1 to 95 and a pharmaceutically acceptable carrier or excipient.

97. A method for treating a MASP-2-associated disease or disorder in a subject in need thereof, the method comprising administering to the subject an effective amount of a compound of any one of claims 1-95 or a pharmaceutical composition according to claim 96.

98. The method of claim 97, wherein the compound is administered in an amount sufficient to inhibit MASP-2 dependent complement activation in the subject.

99. The method of claim 97, wherein the subject has been diagnosed as being in need of treatment for a lectin complement-associated disease or disorder.

100. The method of claim 97, wherein disease or disorder is a thrombotic microangiopathy (TMA), a renal condition, an inflammatory reaction resulting from tissue or organ transplantation, an ischemia reperfusion injury, a complication associated with diabetes, a cardiovascular disease or disorder, an inflammatory gastrointestinal disorder, a pulmonary disorder, an ophthalmic disease or disorder, disseminated intravascular coagulation, graft-versus-host disease, veno-occlusive disease, diffuse alveolar hemorrhage, idiopathic pneumonia syndrome, capillary leak syndrome, engraftment syndrome, fluid overload, or combinations thereof.

101. The method of claim 97, wherein the disease or disorder is a thrombotic microangiopathy (TMA) thrombotic thrombocytopenic purpura (TTP), refractory TTP, Upshaw-Schulman Syndrome (USS), hemolytic uremic syndrome (HUS), atypical hemolytic syndrome (aHUS), non-Factor H-dependent atypical hemolytic syndrome, aHUS secondary to an infection, plasma therapy-resistant aHUS, a TMA secondary to cancer, a TMA secondary to chemotherapy, a TMA secondary to transplantation, a TMA associated with hematopoietic stem cell transplant, or combinations thereof.

102. The method of claim 97, wherein the disease or disorder is graft-versus-host disease.

103. The method of claim 97, wherein the disease or disorder is diffuse alveolar hemorrhage (DAH).

104. The method of claim 97, wherein the disease or disorder is veno-occlusive disease (VOD).

105. The method of claim 97, wherein the disease or disorder is a renal condition.

106. The method of claim 97, wherein the renal condition is mesangioproliferative glomerulonephritis, membranous glomerulonephritis, membranoproliferative glomerulonephritis (mesangiocapillary glomerulonephritis), acute post infectious glomerulonephritis (poststreptococcal glomerulonephritis), C3 glomerulopathy, cryoglobulinemic glomerulonephritis, pauci-immune necrotizing crescentic glomerulonephritis, lupus nephritis, Henoch-Schonlein purpura nephritis, IgA nephropathy, or combinations thereof.

107. The method of claim 97, wherein the disease or disorder is renal fibrosis, proteinuria, or combinations thereof.

108. The method of claim 97, wherein the disease or disorder is an inflammatory reaction resulting from tissue or solid organ transplantation.

109. The method of claim 97, wherein the disease or disorder is an ischemia reperfusion injury (I/R).

110. The method of claim 97, wherein the disease or disorder is a complication associated with non-obese diabetes, complications associated with Type-1 diabetes, Type-2 (adult onset) diabetes, or combinations thereof.

111. The method of claim 97, wherein the disease or disorder is a cardiovascular disease or disorder.

112. The method of claim 97, wherein the disease or disorder is an inflammatory gastrointestinal disorder.

113. The method of claim 97, wherein the disease or disorder is a pulmonary disorder.

114. The method of claim 97, wherein the disease or disorder is an extracorporeal exposure-triggered inflammatory reaction.

115. The method of claim 114, wherein the method further comprises treating a subject undergoing an extracorporeal circulation procedure.

116. The method of claim 97, wherein the disease or disorder is an inflammatory arthritis, non-inflammatory arthritis, a musculoskeletal disorder, or combinations thereof.

117. The method of claim 97, wherein the disease or disorder is a skin disorder.

118. The method of claim 97, wherein the disease or disorder is peripheral nervous system (PNS) disorder or injury, a central nervous system (CNS) disorder or injury, or combinations thereof.

119. The method of claim 97, wherein the disease or disorder is sepsis or a condition resulting from sepsis.

120. The method of claim 97, wherein the disease or disorder is a urogenital disorder.

121. The method of claim 97, wherein the disease or disorder is an inflammatory reaction in a subject being treated with chemotherapeutics, radiation therapy, or combinations thereof.

122. The method of claim 97, wherein the disease or disorder is an angiogenesis-dependent cancer.

123. The method of claim 97, wherein the disease or disorder is an angiogenesis-dependent benign tumor.

124. The method of claim 97, wherein the disease or disorder is an endocrine disorder.

125. The method of claim 97, wherein the disease or disorder is an ophthalmic disease or disorder.

126. The method of claim 97, wherein the disease or disorder is an ocular angiogenic disease or condition.

127. The method of claim 97, wherein the disease or disorder is disseminated intravascular coagulation (DIC), a complement mediated coagulation disorder, or combinations thereof.

128. The method of claim 97, wherein the disease or disorder is acute radiation syndrome, dense deposit disease, Degos Disease, Catastrophic Antiphospholipid Syndrome (CAPS), Behcet's disease, cryoglobulinemia; paroxysmal nocturnal hemoglobinuria ("PNH"), cold agglutinin disease, or combinations thereof.

129. The method of claim 97, wherein the disease or disorder is atypical hemolytic uremic syndrome (aHUS).

130. The method of claim 97, wherein the disease or disorder is hematopoietic stem cell transplant-associated TMA.

131. The method of claim 97, wherein the disease or disorder is immunoglobulin A nephropathy (IgAN).

132. The method of claim 97, wherein the disease or disorder is lupus nephritis (LN).

133. The compound of claim 1, wherein R^1 has one of the following structures:

