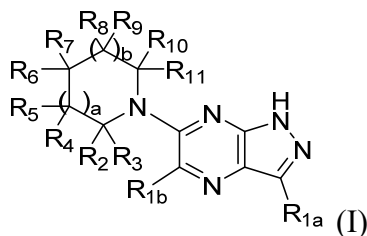


CLAIMS

1. A compound of structural Formula I



or a salt or tautomer thereof, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of C₆₋₁₀aryl, and a 5-9 membered heteroaryl group containing 1 to 4 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S; said aryl or heteroaryl of R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, C₁₋₄alkylamino;

R_{1b} is selected from the group consisting of C₁₋₆ alkyl, C₁₋₆ haloalkyl, CH₂OH and -CHFOH;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ is selected from the group consisting of amino, C₁₋₄aminoalkyl, and C₁₋₄alkylamino;

R₇ is selected from the group consisting of hydrogen, hydroxy, C₁₋₄alkyl, and C₁₋₄hydroxyalkyl.

2. The compound as recited in claim 1, wherein

R_{1b} is selected from the group consisting of C₁₋₆ alkyl, C₁₋₆ haloalkyl, and CH₂OH.

3. The compound as recited in claim 1, wherein

R_{1a} is C₆₋₁₀aryl or a 5- to 9- membered heteroaryl group containing 1 to 4 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S;

said aryl or heteroaryl of R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, amino, and C₁₋₄alkylamino.

4. The compound as recited in claim **3**, wherein R_{1a} is C₆₋₁₀aryl or a 5- to 9- membered heteroaryl group containing 1 to 4 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S; said aryl or heteroaryl of R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo and C₁₋₄alkylamino.

5. The compound as recited in claim **1**, wherein R₂, R₃, R₄, R₅, R₈, R₉, R₁₀ and R₁₁ are each hydrogen.

6. The compound as recited in claim **1**, wherein: R₆ is selected from the group consisting of amino, C₁₋₄aminoalkyl, and C₁₋₄alkylamino; and R₇ is selected from the group consisting of hydrogen, hydroxy, and C₁₋₄alkyl.

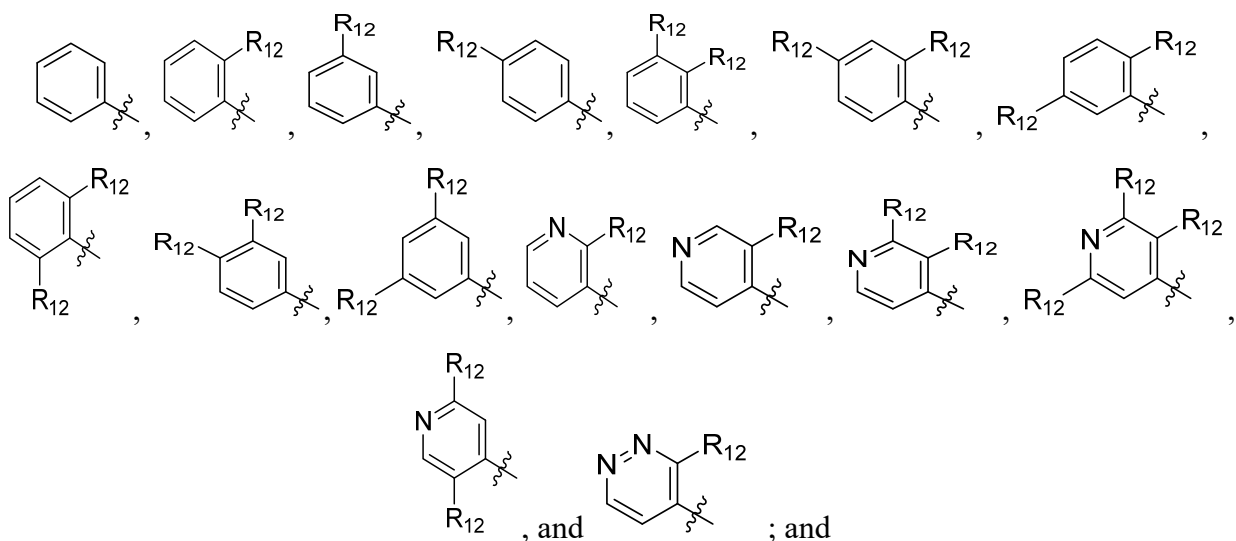
7. The compound as recited in claim **1**, wherein R₆ is C₁₋₄aminoalkyl; and R₇ is selected from the group consisting of hydroxy, C₁₋₄alkyl, and C₁₋₄hydroxyalkyl.

8. The compound as recited in claim **1**, wherein R₆ is aminomethyl; and R₇ is selected from the group consisting of hydroxy, and C₁₋₄alkyl.

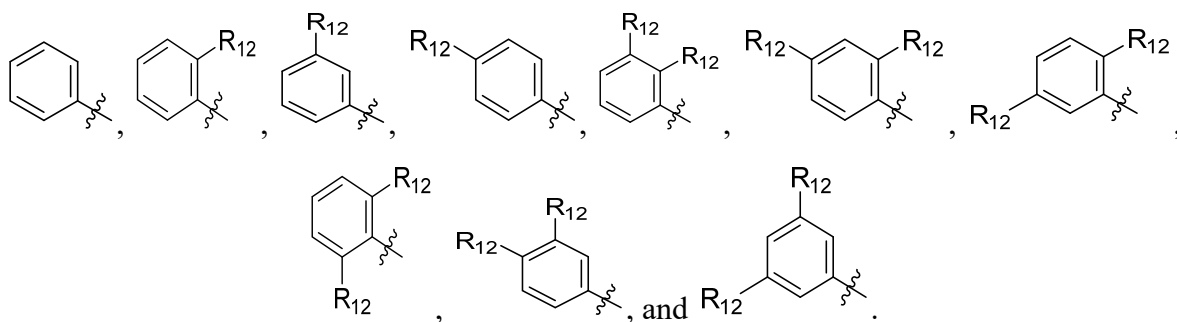
9. The compound as recited in claim **1**, wherein R₆ is amino; and R₇ is selected from the group consisting of hydroxy, and C₁₋₄alkyl.

10. The compound as recited in claim **1**, wherein R₆ is amino; and R₇ is methyl.

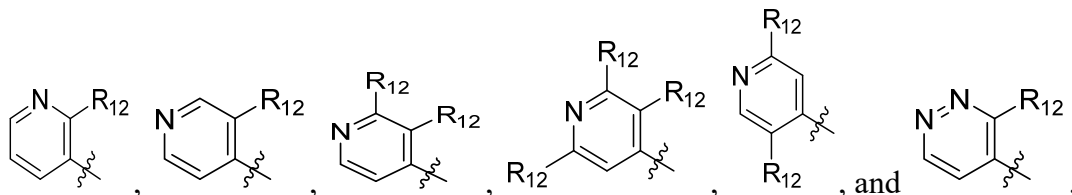
11. The compound as recited in claim **1**, wherein R_{1a} is selected from the group consisting of:



12. The compound as recited in claim 11, wherein R_{1a} is selected from the group consisting of:



13. The compound as recited in claim 11, wherein R_{1a} is selected from the group consisting of:



14. The compound as recited in claim 11, wherein each R_{12} is independently selected from the group consisting of halo, amino, methylamino, and ethylamino.

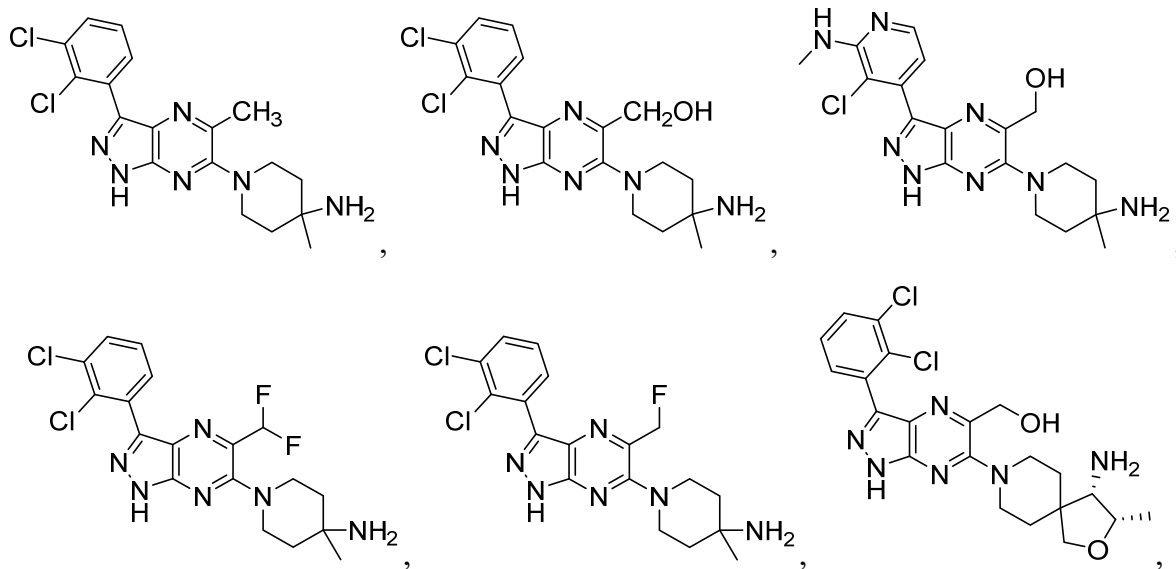
15. The compound as recited in claim 1, wherein R_{1a} is selected from the group consisting of pyridyl, piperazinyl, pyrimidinyl, pyrazolyl, and pyridazinyl.

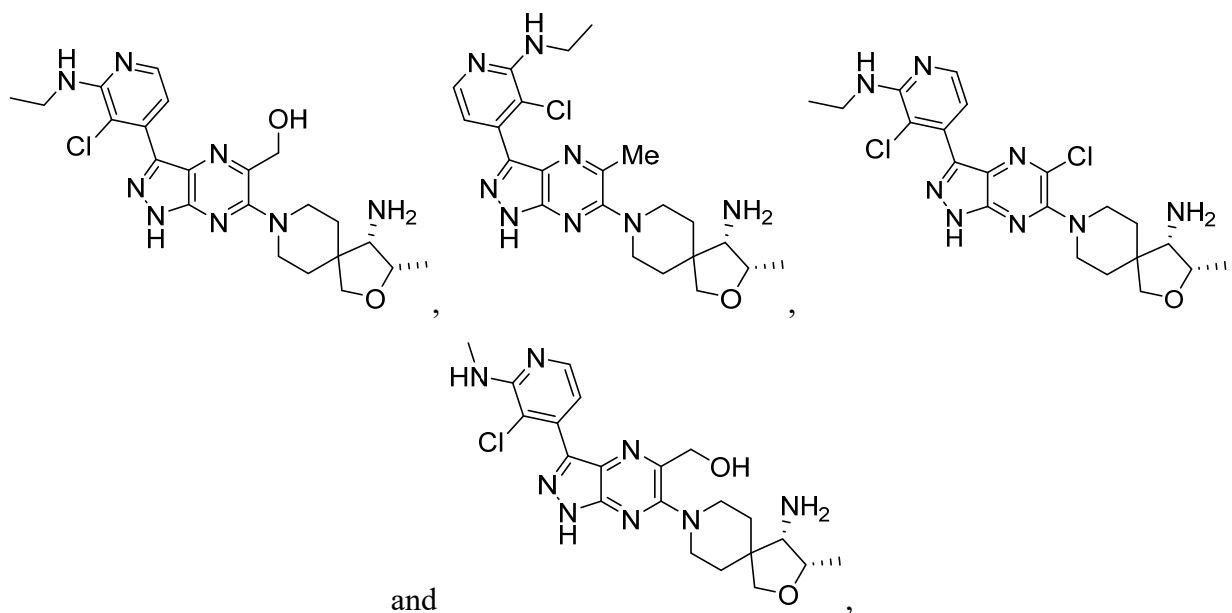
16. The compound as recited in claim 1, wherein R_{1a} is phenyl or pyridyl, each of which is substituted with 0 to 2 R₁₂.

17. The compound as recited in claim 1, wherein R_{1b} is -CH₂OH.

18. The compound as recited in claim 1, wherein R_{1b} is methyl.

19. A compound, which has a structure selected from the group consisting of:





or a salt or tautomer thereof.

20. The compound as recited in claim 1, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of C₆₋₁₀aryl, and a 5-9 membered heteroaryl group containing 1 to 4 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S; said aryl or heteroaryl of R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, and C₁₋₄alkylamino;

R_{1b} is selected from the group consisting of C₁₋₆ alkyl, and C₁₋₆ haloalkyl;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ is selected from the group consisting of amino, C₁₋₄aminoalkyl, and C₁₋₄alkylamino;

R₇ is selected from the group consisting of C₁₋₄alkyl, and C₁₋₄hydroxyalkyl.

21. The compound as recited in claim 20, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of phenyl, pyridyl, piperazinyl, pyrimidinyl, pyrazolyl, and pyridazinyl; said R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, and C₁₋₄alkylamino;

R_{1b} is selected from the group consisting of C₁₋₆ alkyl, and C₁₋₆ haloalkyl;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ is selected from the group consisting of amino, and C₁₋₄alkylamino;

R₇ is selected from the group consisting of C₁₋₄alkyl, and C₁₋₄hydroxyalkyl.

22. The compound as recited in claim 21, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of phenyl, and pyridyl; said R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, and C₁₋₄alkylamino;

R_{1b} is C₁₋₆ haloalkyl;

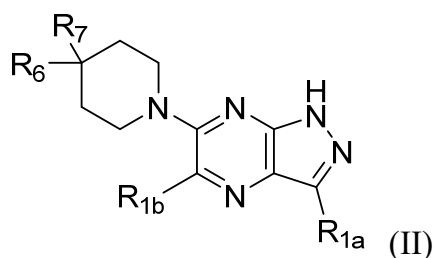
R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ is selected from the group consisting of amino, and C₁₋₄alkylamino; and

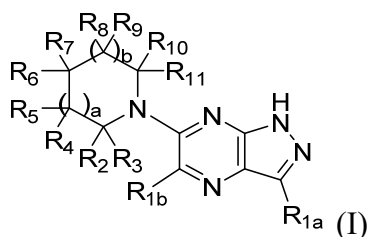
R₇ is selected from the group consisting of C₁₋₄alkyl, and C₁₋₄hydroxyalkyl.

23. The compound as recited in claim 20, wherein the compound has structural Formula II:



wherein R_{1a}, R_{1b}, R₆ and R₇ are as defined in claim 20.

24. A compound of structural Formula I



or a salt or tautomer thereof, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of C₆₋₁₀aryl, and a 5-9 membered heteroaryl group containing 1 to 4 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S; said aryl or heteroaryl of R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, C₁₋₄alkylamino and C₁₋₄dialkylamino;

R_{1b} is selected from the group consisting of halogen, C₁₋₆ alkyl, C₁₋₆ haloalkyl, C₁₋₆hydroxyalkyl, C₁₋₆dihydroxyalkyl, -CF₂OH, and -CHFOH;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ and R₇ together with the carbon atom to which they are both attached form a 3- to 7-membered saturated or unsaturated ring that can contain 1 to 3 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S, and that is

optionally substituted with one R₁₇ group, and that is optionally substituted with one or more R₁₈ groups; and

each R₁₇ and R₁₈ is independently selected from the group consisting of amino, hydroxy, C₁₋₄alkyl, and C₁₋₄alkoxy.

25. The compound as recited in claim 24, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of C₆₋₁₀aryl, and a 5-9 membered heteroaryl group containing 1 to 4 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S; said aryl or heteroaryl of R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, amino, C₁₋₄alkylamino, and C₁₋₄dialkylamino;

R_{1b} is selected from the group consisting of halogen, C₁₋₆ alkyl, C₁₋₆ haloalkyl, C₁₋₆ hydroxyalkyl, and C₁₋₆ dihydroxyalkyl;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ and R₇ together with the carbon atom to which they are both attached form a 3- to 7-membered saturated or unsaturated ring that can contain 1 to 3 heteroatoms or groups independently selected from the group consisting of N, C(O), O, and S, and that is optionally substituted with one R₁₇ group, and that is optionally substituted with one or more R₁₈ groups; and

each R₁₇ and R₁₈ is independently selected from the group consisting of amino, hydroxy, and C₁₋₄alkyl.

26. The compound as recited in claim 25, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of phenyl, pyridyl, piperazinyl, pyrimidinyl, pyrazolyl, and pyridazinyl; said R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, C₁₋₄alkylamino, and C₁₋₄dialkylamino;

R_{1b} is selected from the group consisting of halogen, C₁₋₆ alkyl, C₁₋₆ haloalkyl, C₁₋₆ hydroxyalkyl, and C₁₋₆ dihydroxyalkyl;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ and R₇ together with the carbon atom to which they are both attached form a 3- to 7-membered saturated or unsaturated ring that can contain 1 to 3 heteroatoms or groups independently selected from the group consisting of N, C(O), and O, and that is optionally substituted with one R₁₇ group, and that is optionally substituted with one or more R₁₈ groups; and

each R₁₇ and R₁₈ is independently selected from the group consisting of amino, hydroxy, and C₁₋₄alkyl.

27. The compound as recited in claim 26, wherein:

a is 1;

b is 1;

R_{1a} is selected from the group consisting of phenyl, and pyridyl; said R_{1a} is optionally substituted with 1 to 5 R₁₂ groups independently selected from the group consisting of halo, hydroxy, amino, C₁₋₄alkylamino, and C₁₋₄dialkylamino;

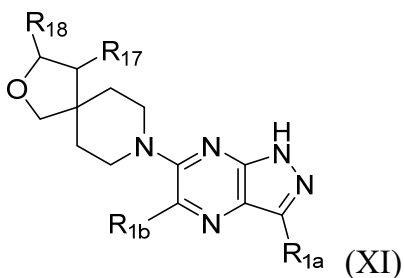
R_{1b} is selected from the group consisting of halogen, C₁₋₆ alkyl, C₁₋₆ haloalkyl, C₁₋₆ hydroxyalkyl, and C₁₋₆ dihydroxyalkyl;

R₂, R₃, R₁₀, and R₁₁ are each independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₄, R₅, R₈, and R₉ are independently selected from the group consisting of hydrogen, and C₁₋₄alkyl;

R₆ and R₇ together with the carbon atom to which they are both attached form a 3- to 7-membered saturated or unsaturated ring that can contain 1 to 3 heteroatoms or groups independently selected from the group consisting of N, C(O), and O, and that is optionally substituted with one R₁₇ group, and that is optionally substituted with one or more R₁₈ groups; and
each R₁₇ and R₁₈ is independently selected from the group consisting of amino, hydroxy, and C₁₋₄alkyl.

28. The compound as recited in claim 24, wherein the compound has structural Formula XI:



wherein R_{1a}, R_{1b}, R₁₇ and R₁₈ are as defined in claim 24.