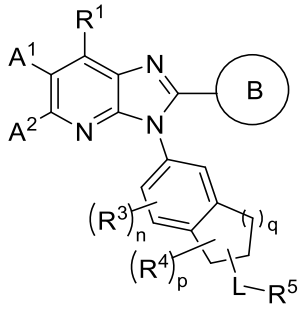
CLAIMS

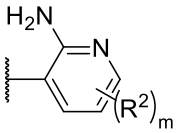
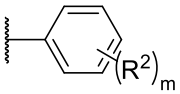
WHAT IS CLAIMED IS:

1. A compound represented by the structure of Formula (I):



(I),

or a pharmaceutically acceptable salt thereof, wherein:

Ring B is selected from:  and ;

R^1 is selected from hydrogen, halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-NO_2$, -CN, optionally substituted C_{3-8} carbocycle, optionally substituted 4- to 8-membered heterocycle, and optionally substituted C_{1-6} alkyl, each of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-NO_2$, and -CN;

A^1 and A^2 are each independently selected from (i), (ii), and (iii):

(i) hydrogen, halogen, C_{1-4} haloalkyl, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$, $-S(O)R^{11}$, $-S(O)_2R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, and -CN;

(ii) C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, any of which is optionally substituted with one or more substituents independently selected from:

halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$,- $S(O)R^{11}$, $-S(O)_2R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN; and

C_{3-10} carbocycle and 4- to 10-membered heterocycle, any of which is optionally substituted with one or more substituents independently selected from:

halogen, $-OR^{11A}$, $-N(R^{11A})_2$, $-C(O)R^{11A}$, $-C(O)N(R^{11A})_2$, $-N(R^{11A})C(O)R^{11A}$, $-C(O)OR^{11A}$, $-OC(O)R^{11A}$, $-NO_2$, =O, =S, $=N(R^{11A})$, -CN; and

C_{1-6} alkyl C_{2-6} alkenyl, and C_{2-6} alkynyl, any one of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11A}$, $-SR^{11A}$, $-N(R^{11A})_2$, $-C(O)R^{11A}$, $-C(O)N(R^{11A})_2$, $-N(R^{11A})C(O)R^{11A}$, $-N(R^{11A})S(O)_2R^{11A}$, $-C(O)OR^{11A}$, $-OC(O)R^{11A}$, $-NO_2$, =O, =S, $=N(R^{11A})$, and -CN; and

(iii) 5- to 10-membered heterocycle and C_{3-10} carbocycle, any of which is optionally substituted with one or more substituents independently selected from:

halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-NS(O)_2N(R^{11})_2$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$, $-S(O)R^{11}$, $-S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{3-6} alkynyl, any one of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$, $-S(O)R^{11}$, $-S(O)_2R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN; and

C_{3-10} carbocycle and 4- to 10-membered heterocycle, any of which is optionally substituted with one or more substituents independently selected from:

halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-NO_2$, =O, =S, $=N(R^{11})$, -CN; and

C_{1-6} alkyl, C_{2-6} alkenyl, C_{3-6} alkynyl, C_{3-8} carbocycle, or 4- to 8-membered heterocycle, any one of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-NO_2$,

=O, =S, =N(R^{11}), and -CN;

q is selected from 1, 2, and 3;

m and n are each independently selected from 0, 1, 2, and 3;

R^2 is independently selected at each instance from halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, -OR^{12}, -SR^{12}, -$N(R^{12})_2$, -NO_2, and -CN;

R^3 is independently selected at each instance from:

halogen, -OR^{13}, -SR^{13}, -$N(R^{13})_2$, -$C(O)R^{13}$, -$C(O)N(R^{13})_2$, -$N(R^{13})C(O)R^{13}$, -$C(O)OR^{13}$, -$OC(O)R^{13}$, -NO_2, and -CN; and

C_{1-6} alkyl optionally substituted with one or more substituents independently selected from: halogen, -OR^{13}, -SR^{13}, -$N(R^{13})_2$, -$C(O)R^{13}$, -$C(O)N(R^{13})_2$, -$N(R^{13})C(O)R^{13}$, -$C(O)OR^{13}$, -$OC(O)R^{13}$, -NO_2, =O, =S, =N(R^{13}), and -CN;

p is selected from 0, 1, 2, 3, 4, and 5;

R^4 is independently selected at each instance from:

halogen, -OR^{14}, -SR^{14}, -$N(R^{14})_2$, -$C(O)R^{14}$, -$C(O)N(R^{14})_2$, -$N(R^{14})C(O)R^{14}$, -$C(O)OR^{14}$, -$OC(O)R^{14}$, -NO_2, and -CN; and

C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, any one of which is optionally substituted with one or more substituents independently selected from halogen, -OR^{14}, -SR^{14}, -$N(R^{14})_2$, -$C(O)R^{14}$, -$C(O)N(R^{14})_2$, -$N(R^{14})C(O)R^{14}$, -$C(O)OR^{14}$, -$OC(O)R^{14}$, -NO_2, =O, =S, =N(R^{14}), and -CN; or

two R^4 attached to the same atom are taken together to form a group selected from: =O, =S, and =N(R^{14}); or

two R^4 attached to the same atom or to adjacent atoms are taken together with the carbons to which they are attached to form a group selected from 4- to 8-membered heterocycle and C_{3-8} carbocycle, any of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, -OR^{14}, -SR^{14}, -$N(R^{14})_2$, -NO_2, and -CN;

L is represented by -L^1-L^2-L^3-L^4-, wherein L^1, L^2, L^3, and L^4 are each independently selected from (a) and (b):

(a) -O-, -$N(R^{15})$-, -S-, -S(O)-, -$S(O)_2$-, -$S(O)(NR^{15})$-, -$N(R^{15})C(O)$-, -$N(R^{15})C(O)O$-, -$N(R^{15})S(O)_2$-, -$N(R^{15})S(O)_2N(R^{15})$-, -$S(O)(NR^{15})N(R^{15})$-, -$N(R^{15})N(R^{15})$-, -$(R^{15})NC(O)N(R^{15})$-, and -$(R^{15})NC(O)N(R^{15})N(R^{15})$-; and

(b) C_{1-6} alkylene, C_{2-6} alkenylene, C_{2-6} alkynylene, C_{3-8} carbocyclene, and 4- to 8-membered heterocyclene, any of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{15}$, $-SR^{15}$, =O, =S, and -CN;

wherein L^1, L^2, L^3, and L^4 are each optionally absent;

wherein no more than two of L^1, L^2, L^3, and L^4 are selected from (a) and the two selected are not adjacent;

R^5 is selected from 4- to 10-membered heterocycle and C_{3-10} carbocycle, any of which is optionally substituted with one or more substituents independently selected from:

halogen, C_{1-4} haloalkyl, $-OR^{16}$, $-SR^{16}$, $-N(R^{16})_2$, $-C(O)N(R^{16})_2$, $-C(O)OR^{16}$, $-OC(O)R^{16}$, $-N(R^{16})C(O)R^{16}$, $-N(R^{16})S(O)_2R^{16}$, $-S(O)_2N(R^{16})_2$, $-N(R^{16})C(O)N(R^{16})_2$, $-N(R^{16})C(O)OR^{16}$, $-OC(O)N(R^{16})_2$, $-S(O)R^{16}$, $-S(O)_2R^{16}$, $-NO_2$, =O, =S, and $=N(R^{16})$;

C_{1-6} alkyl optionally substituted with one or more substituents independently selected from: halogen, $-OR^{16}$, $-SR^{16}$, $-N(R^{16})_2$, and $-NO_2$; and

4- to 6-membered heterocycle and C_{3-8} carbocycle, each of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{16}$, $-SR^{16}$, $-N(R^{16})_2$, and $-NO_2$;

R^{10}, R^{11}, R^{11A}, R^{12}, R^{13}, R^{14}, and R^{15} are each independently selected at each occurrence from: hydrogen, C_{1-4} alkyl, C_{3-8} carbocycle, 4- to 8-membered heterocycle, and C_{1-4} haloalkyl;

R^{16} is independently selected at each occurrence from (iv), (v), and (vi):

(iv) hydrogen;

(v) C_{1-4} alkyl optionally substituted with one or more substituents independently selected from:

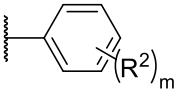
halogen, $-OR^{20}$, $-SR^{20}$, $-N(R^{20})_2$, $-C(O)R^{20}$, $-C(O)OR^{20}$, $-OC(O)R^{20}$, $-C(O)N(R^{20})_2$, $-N(R^{20})C(O)R^{20}$, $-N(R^{20})C(O)N(R^{20})_2$, $-N(R^{20})C(O)OR^{20}$, $-OC(O)N(R^{20})_2$, $-S(O)R^{20}$, $-S(O)_2R^{20}$, $-N(R^{20})S(O)_2R^{20}$, $-S(O)_2N(R^{20})_2$, and $-NO_2$; and

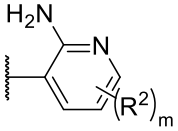
C_{3-8} carbocycle and 4- to 8-membered heterocycle, either of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{20}$, $-SR^{20}$, -

$N(R^{20})_2$, $-C(O)R^{20}$, $-C(O)OR^{20}$, $-OC(O)R^{20}$, $-C(O)N(R^{20})_2$, $-N(R^{20})C(O)R^{20}$, $-N(R^{20})C(O)N(R^{20})_2$, $-N(R^{20})C(O)OR^{20}$, $-OC(O)N(R^{20})_2$, $-S(O)R^{20}$, $-S(O)_2R^{20}$, $-N(R^{20})S(O)_2R^{20}$, $-S(O)_2N(R^{20})_2$, and $-NO_2$; and

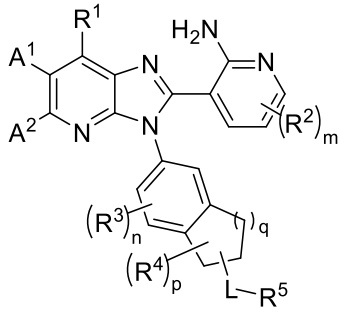
(vi) C_{3-8} carbocycle and 4- to 8-membered heterocycle, either of which is optionally substituted with one or more substituents independently selected from halogen, C_{1-4} alkyl,C_{1-4} haloalkyl, $-OR^{20}$, $-SR^{20}$, $-N(R^{20})_2$, $-C(O)R^{20}$, $-C(O)N(R^{20})_2$, $-C(O)OR^{20}$, $-OC(O)R^{20}$, $-N(R^{20})C(O)R^{20}$, $-N(R^{20})S(O)_2R^{20}$, $-N(R^{20})C(O)N(R^{20})_2$, $-N(R^{20})C(O)OR^{20}$, $-OC(O)N(R^{20})_2$, $-S(O)R^{20}$, $-S(O)_2R^{20}$, $-NO_2$, C_{3-8} carbocycle, and 4- to 8-membered heterocycle, wherein the C_{3-8} carbocycle and 4- to 8-membered heterocycle are each optionally further substituted with one or more substituents independently selected from halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{20}$, $-SR^{20}$, $-N(R^{20})_2$, $-C(O)R^{20}$, $-C(O)N(R^{20})_2$, $-C(O)OR^{20}$, $-OC(O)R^{20}$, $-N(R^{20})C(O)R^{20}$, $-N(R^{20})S(O)_2R^{20}$, $-N(R^{20})C(O)N(R^{20})_2$, $-N(R^{20})C(O)OR^{20}$, $-OC(O)N(R^{20})_2$, $-S(O)R^{20}$, $-S(O)_2R^{20}$, and, $-NO_2$; and

R^{20} is independently selected at each occurrence from hydrogen, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{3-8} carbocycle, and 4- to 8-membered heterocycle.

2. The compound or salt of claim 1, wherein Ring B is .

3. The compound or salt claim 1, wherein Ring B is .

4. The compound or salt of claim 1 or claim 3, wherein the structure of Formula (I) is represented by the structure of Formula (II):


(II),

or a pharmaceutically acceptable salt thereof, wherein:

R^1 is selected from hydrogen, halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-NO_2$, and -CN; and C_{1-6} alkyl optionally substituted with one or more substituents independently selected from: halogen, $-OR^{10}$, $-SR^{10}$, $-N(R^{10})_2$, $-NO_2$, and -CN;

A^1 and A^2 are each independently selected from (i), (ii), and (iii):

(i) hydrogen, halogen, C_{1-4} haloalkyl, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$, $-S(O)R^{11}$, $-S(O)_2R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, and -CN;

(ii) C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, any of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$,$-S(O)R^{11}$, $-S(O)_2R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN; and

(iii) 5- to 10-membered heterocycle and C_{3-10} carbocycle, any of which is optionally substituted with one or more substituents independently selected from:

halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$, $-S(O)R^{11}$, $-S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN; and

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{3-6} alkynyl, any one of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-N(R^{11})C(O)OR^{11}$, $-OC(O)N(R^{11})_2$, $-N(R^{11})C(O)N(R^{11})_2$, $-S(O)R^{11}$, $-S(O)_2R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN; and

C_{3-10} carbocycle and 4- to 10-membered heterocycle, any of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-NO_2$, =O, =S, $=N(R^{11})$, -CN; and C_{1-6} alkyl C_{2-6} alkenyl, and C_{3-6} alkynyl, any one of which is optionally

substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-SR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-C(O)OR^{11}$, $-OC(O)R^{11}$, $-NO_2$, =O, =S, $=N(R^{11})$, and -CN;

q is selected from 1, 2, and 3;

m and n are each independently selected from 0, 1, 2, and 3;

R^2 is independently selected at each instance from halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{12}$, $-SR^{12}$, $-N(R^{12})_2$, $-NO_2$, and -CN;

R^3 is independently selected at each instance from:

halogen, $-OR^{13}$, $-SR^{13}$, $-N(R^{13})_2$, $-C(O)R^{13}$, $-C(O)N(R^{13})_2$, $-N(R^{13})C(O)R^{13}$, $-C(O)OR^{13}$, $-OC(O)R^{13}$, $-NO_2$, and -CN; and

C_{1-6} alkyl optionally substituted with one or more substituents independently selected from: halogen, $-OR^{13}$, $-SR^{13}$, $-N(R^{13})_2$, $-C(O)R^{13}$, $-C(O)N(R^{13})_2$, $-N(R^{13})C(O)R^{13}$, $-C(O)OR^{13}$, $-OC(O)R^{13}$, $-NO_2$, =O, =S, $=N(R^{13})$, and -CN;

p is selected from 0, 1, 2, 3, 4, and 5;

R^4 is independently selected at each instance from:

halogen, $-OR^{14}$, $-SR^{14}$, $-N(R^{14})_2$, $-C(O)R^{14}$, $-C(O)N(R^{14})_2$, $-N(R^{14})C(O)R^{14}$, $-C(O)OR^{14}$, $-OC(O)R^{14}$, $-NO_2$, and -CN; and

C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, any one of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{14}$, $-SR^{14}$, $-N(R^{14})_2$, $-C(O)R^{14}$, $-C(O)N(R^{14})_2$, $-N(R^{14})C(O)R^{14}$, $-C(O)OR^{14}$, $-OC(O)R^{14}$, $-NO_2$, =O, =S, $=N(R^{14})$, and -CN; or

two R^4 attached to the same atom are taken together to form a group selected from: =O, =S, and $=N(R^{14})$; or

two R^4 attached to the same atom or to adjacent atoms are taken together with the carbons to which they are attached to form a group selected from 4- to 8-membered heterocycle and C_{3-8} carbocycle, any of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{14}$, $-SR^{14}$, $-N(R^{14})_2$, $-NO_2$, and -CN;

L is represented by $-L^1-L^2-L^3-L^4-$, wherein L^1, L^2, L^3, and L^4 are each independently selected from (a) and (b):

(a) -O-, -N(R^{15})-, -S-, -S(O)-, -S(O)$_2$-, -S(O)(NR^{15})-, -N(R^{15})C(O)-, -N(R^{15})C(O)O-, -N(R^{15})S(O)$_2$-, -N(R^{15})S(O)$_2$N(R^{15})-, -S(O)(NR^{15})N(R^{15})-, -N(R^{15})N(R^{15})-, -(R^{15})NC(O)N(R^{15})-, and -(R^{15})NC(O)N(R^{15})N(R^{15})-; and

(b) C_{1-6} alkylene, C_{2-6} alkenylene, C_{2-6} alkynylene, C_{3-8} carbocyclene, and 4- to 8-membered heterocyclene, any of which is optionally substituted with one or more substituents independently selected from halogen, -OR^{15}, -SR^{15}, =O, =S, and -CN;

wherein L^2, L^3, and L^4 are each optionally absent;

wherein no more than two of L^1, L^2, L^3, and L^4 are selected from (a) and the two selected are not adjacent;

R^5 is selected from 4- to 10-membered heterocycle and C_{3-10} carbocycle, any of which is optionally substituted with one or more substituents independently selected from:

halogen, C_{1-4} haloalkyl, -OR^{16}, -SR^{16}, -N(R^{16})$_2$, -C(O)N(R^{16})$_2$, -C(O)OR^{16}, -OC(O)R^{16}, -N(R^{16})C(O)R^{16}, -N(R^{16})S(O)$_2$$R^{16}$, -S(O)$_2$N($R^{16}$)$_2$, -N($R^{16}$)C(O)N($R^{16}$)$_2$, -N($R^{16}$)C(O)O$R^{16}$, -OC(O)N($R^{16}$)$_2$, -S(O)$R^{16}$, -S(O)$_2$$R^{16}$, -$NO_2$, =O, =S, and =N($R^{16}$);

C_{1-4} alkyl optionally substituted with one or more substituents independently selected from: halogen, -OR^{16}, -SR^{16}, -N(R^{16})$_2$, and -NO_2; and

4- to 6-membered heterocycle and C_{3-8} carbocycle, each of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, -OR^{16}, -SR^{16}, -N(R^{16})$_2$, and -NO_2;

R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, and R^{15} are each independently selected at each occurrence from: hydrogen, C_{1-4} alkyl, C_{3-8} carbocycle, 4- to 8-membered heterocycle, and C_{1-4} haloalkyl;

R^{16} is independently selected at each occurrence from (iv), (v), and (vi):

(iv) hydrogen;

(v) C_{1-4} alkyl optionally substituted with one or more substituents independently selected from:

halogen, -OR^{20}, -SR^{20}, -N(R^{20})$_2$, -C(O)R^{20}, -C(O)OR^{20}, -OC(O)R^{20}, -C(O)N(R^{20})$_2$, -N(R^{20})C(O)R^{20}, -N(R^{20})C(O)N(R^{20})$_2$, -N(R^{20})C(O)OR^{20}, -OC(O)N(R^{20})$_2$, -S(O)R^{20}, -S(O)$_2$$R^{20}$, -N($R^{20}$)S(O)$_2$$R^{20}$, -S(O)$_2$N($R^{20}$)$_2$, and -$NO_2$; and

C_{3-8} carbocycle and 4- to 8-membered heterocycle, either of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{20}$, $-SR^{20}$, $-N(R^{20})_2$, $-C(O)R^{20}$, $-C(O)OR^{20}$, $-OC(O)R^{20}$, $-C(O)N(R^{20})_2$, $-N(R^{20})C(O)R^{20}$, $-N(R^{20})C(O)N(R^{20})_2$, $-N(R^{20})C(O)OR^{20}$, $-OC(O)N(R^{20})_2$, $-S(O)R^{20}$, $-S(O)_2R^{20}$, $-N(R^{20})S(O)_2R^{20}$, $-S(O)_2N(R^{20})_2$, and $-NO_2$; and

(vi) C_{3-8} carbocycle and 4- to 8-membered heterocycle, either of which is optionally substituted with one or more substituents independently selected from halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{20}$, $-SR^{20}$, $-N(R^{20})_2$, $-C(O)R^{20}$, $-C(O)N(R^{20})_2$, $-C(O)OR^{20}$, $-OC(O)R^{20}$, $-N(R^{20})C(O)R^{20}$, $-N(R^{20})S(O)_2R^{20}$, $-N(R^{20})C(O)N(R^{20})_2$, $-N(R^{20})C(O)OR^{20}$, $-OC(O)N(R^{20})_2$, $-S(O)R^{20}$, $-S(O)_2R^{20}$, and $-NO_2$; and

R^{20} is independently selected at each occurrence from hydrogen, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{3-8} carbocycle, and 4- to 8-membered heterocycle.

5. The compound or salt of any one of claims 1-4, wherein q is 1.

6. The compound or salt of any one of claims 1-5, wherein n is 0.

7. The compound or salt of any one of claims 1-6, wherein p is selected from 0, 1, and 2.

8. The compound or salt of any one of claims 1-7, wherein R^4 is independently selected at each instance from: halogen, $-OR^{14}$, $-SR^{14}$, $-N(R^{14})_2$, $-C(O)R^{14}$, $-C(O)N(R^{14})_2$, $-N(R^{14})C(O)R^{14}$, $-C(O)OR^{14}$, $-OC(O)R^{14}$, $-NO_2$, and -CN.

9. The compound or salt of any one of claims 1-8, wherein A^1 is selected from hydrogen, halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{11}$, $-N(R^{11})_2$, and -CN.

10. The compound or salt of any one of claims 1-9, wherein R^1 is selected from hydrogen, halogen, $-OR^{10}$, $-N(R^{10})_2$, $-NO_2$, -CN; and C_{1-6} alkyl optionally substituted with one or more substituents independently selected from halogen, $-OR^{10}$, and $-N(R^{10})_2$.

11. The compound or salt of any one of claims 1-10, wherein R^1 is selected from hydrogen, fluoro, methoxy, -CN, methyl, ethyl, (methoxy)methyl, and .

12. The compound or salt of any one of claims 1-11, wherein A^2 is selected from:

C_{1-6} alkyl and C_{2-6} alkynyl, each of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-S(O)_2N(R^{11})_2$, $-NO_2$, =O, and -CN; and

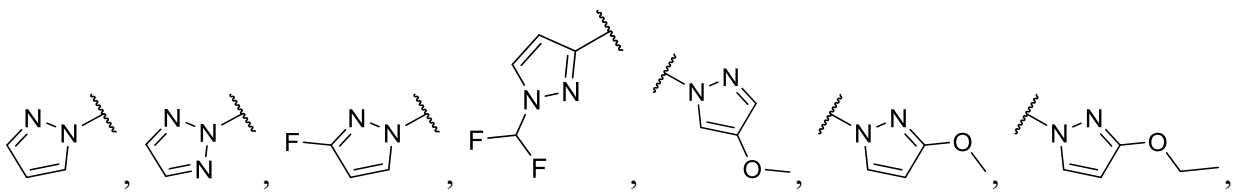
5- to 10-membered heterocycle and C_{3-10} carbocycle, any of which is optionally substituted with one or more substituents independently selected from:

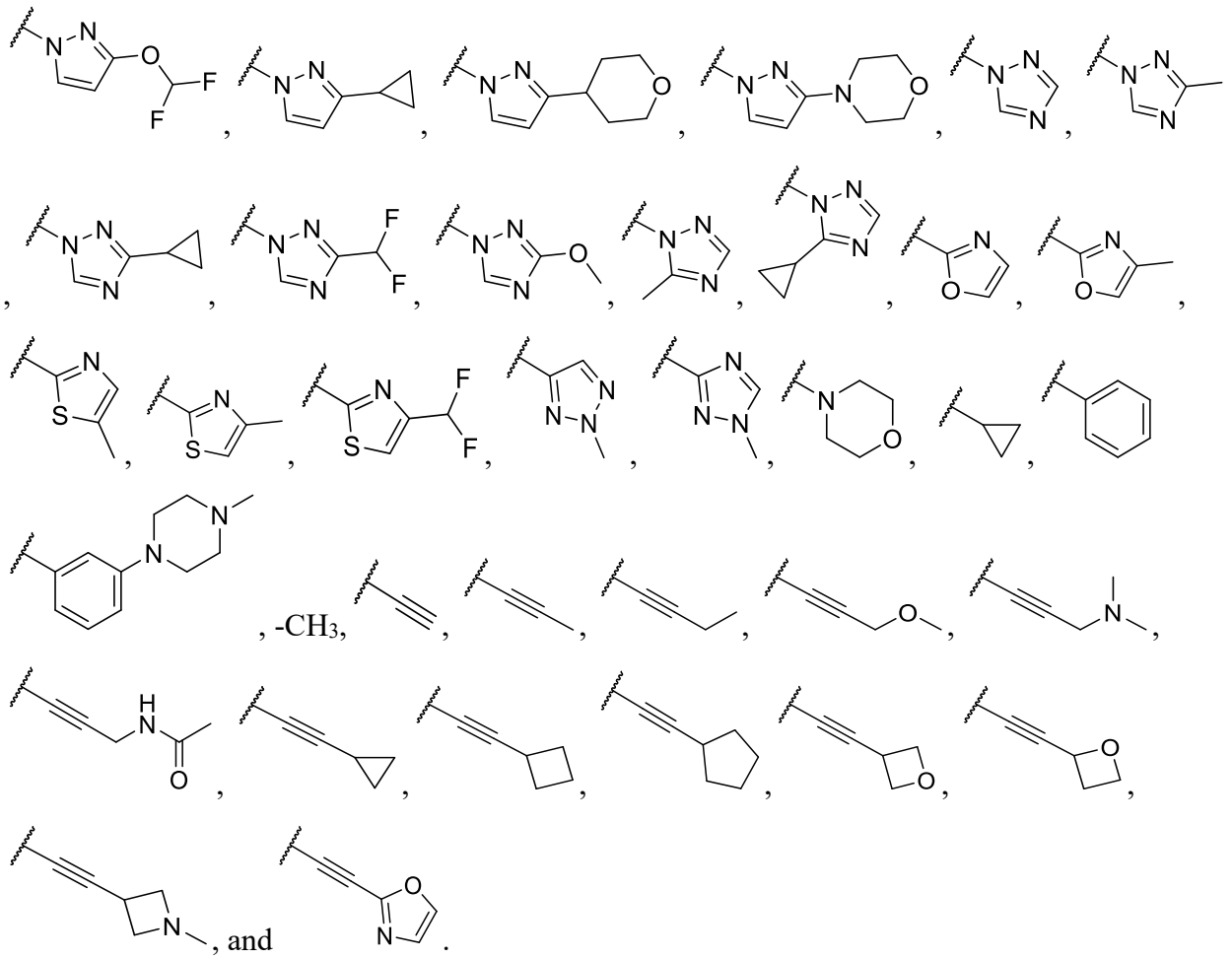
halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-NO_2$, =O, and -CN;

C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, any one of which is optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-NO_2$, =O, and -CN; and

C_{3-8} carbocycle and 4- to 10-membered heterocycle, any of which is optionally substituted with one or more substituents independently selected from halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-NO_2$, =O, -CN; C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, the C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, are each optionally substituted with one or more substituents independently selected from: halogen, $-OR^{11}$, $-N(R^{11})_2$, $-C(O)R^{11}$, $-C(O)N(R^{11})_2$, $-N(R^{11})C(O)R^{11}$, $-N(R^{11})S(O)_2R^{11}$, $-NO_2$, =O, and -CN.

13. The compound or salt of any one of claims 1-12, wherein A^2 is selected from:





14. The compound or salt of any one of claims 1-13, wherein L^1, L^2, L^3, and L^4 are each independently selected from (a) and (b):

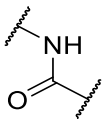
(a) -O-, -N(R^{15})-, -S-, -N(R^{15})C(O)-, -N(R^{15})C(O)O-, -N(R^{15})S(O)$_2$, -N(R^{15})N(R^{15})-, and -(R^{15})NC(O)N(R^{15})-; and

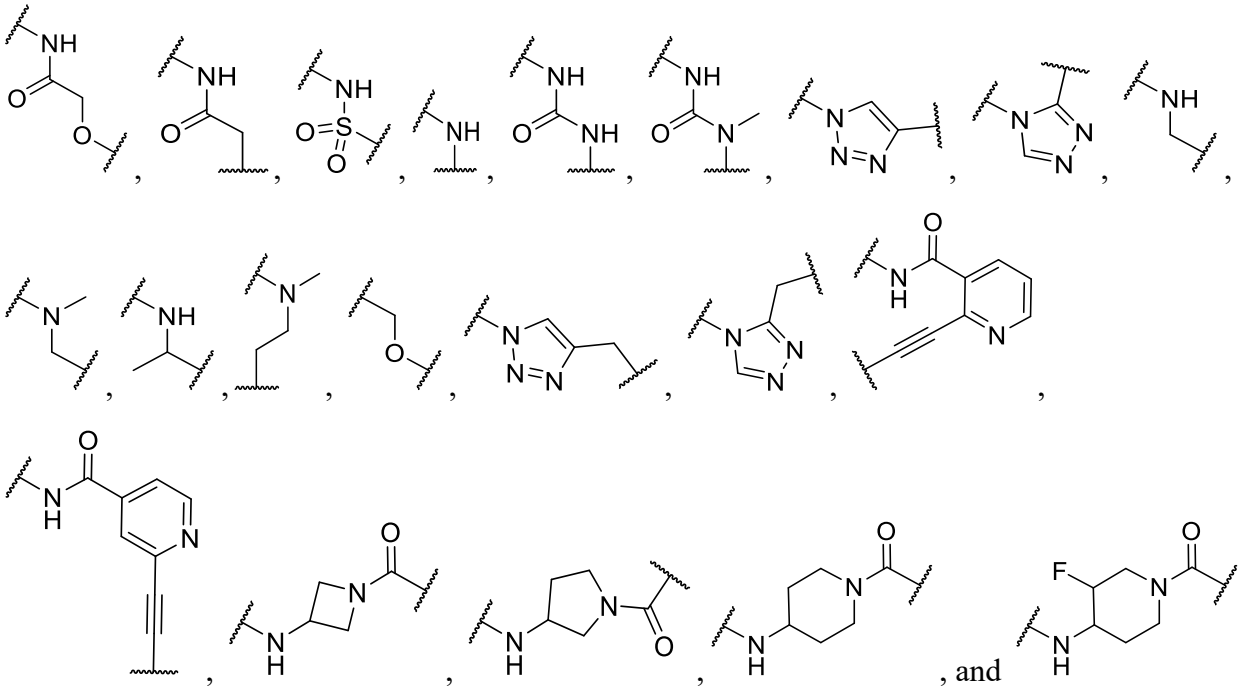
(b) C_{1-6} alkylene, C_{2-6} alkenylene, C_{2-6} alkynylene, C_{3-6} carbocyclene, and 4- to 6-membered heterocyclene, any of which is optionally substituted with one or more substituents independently selected from halogen, -OR^{15}, =O, and -CN;

wherein L^2, L^3, and L^4 are each optionally absent;

wherein no more than two of L^1, L^2, L^3, and L^4 are selected from (a) and the two selected are not adjacent.

R^{15} is selected from hydrogen and C_{1-4} alkyl.

15. The compound or salt of any one of claims 1-14, wherein L is selected from ,



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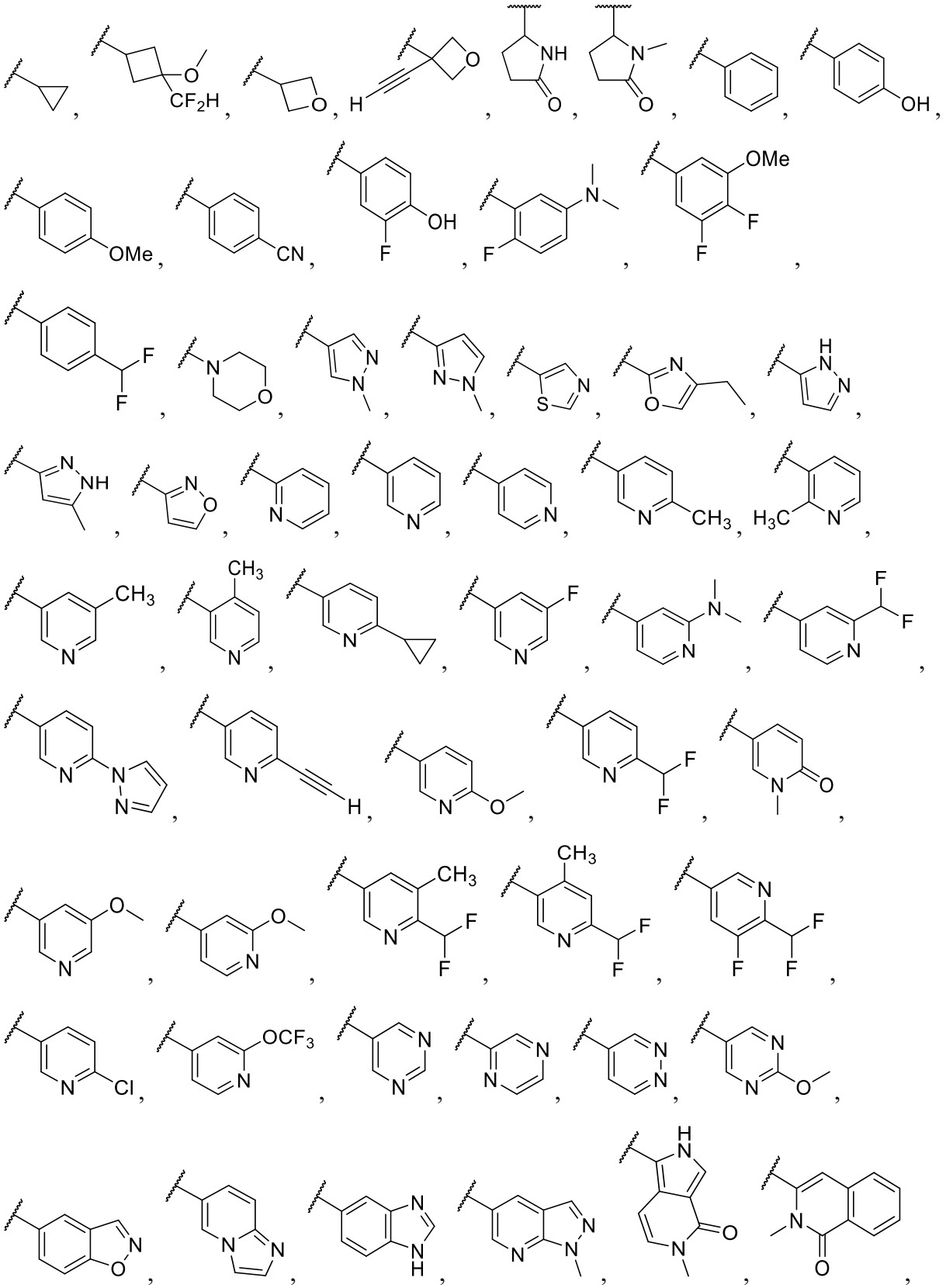
16. The compound or salt of any one of claims 1-15, wherein R^5 is selected from 4- to 10-membered heterocycle and C_{3-10} carbocycle, any of which is optionally substituted with one or more substituents independently selected from:

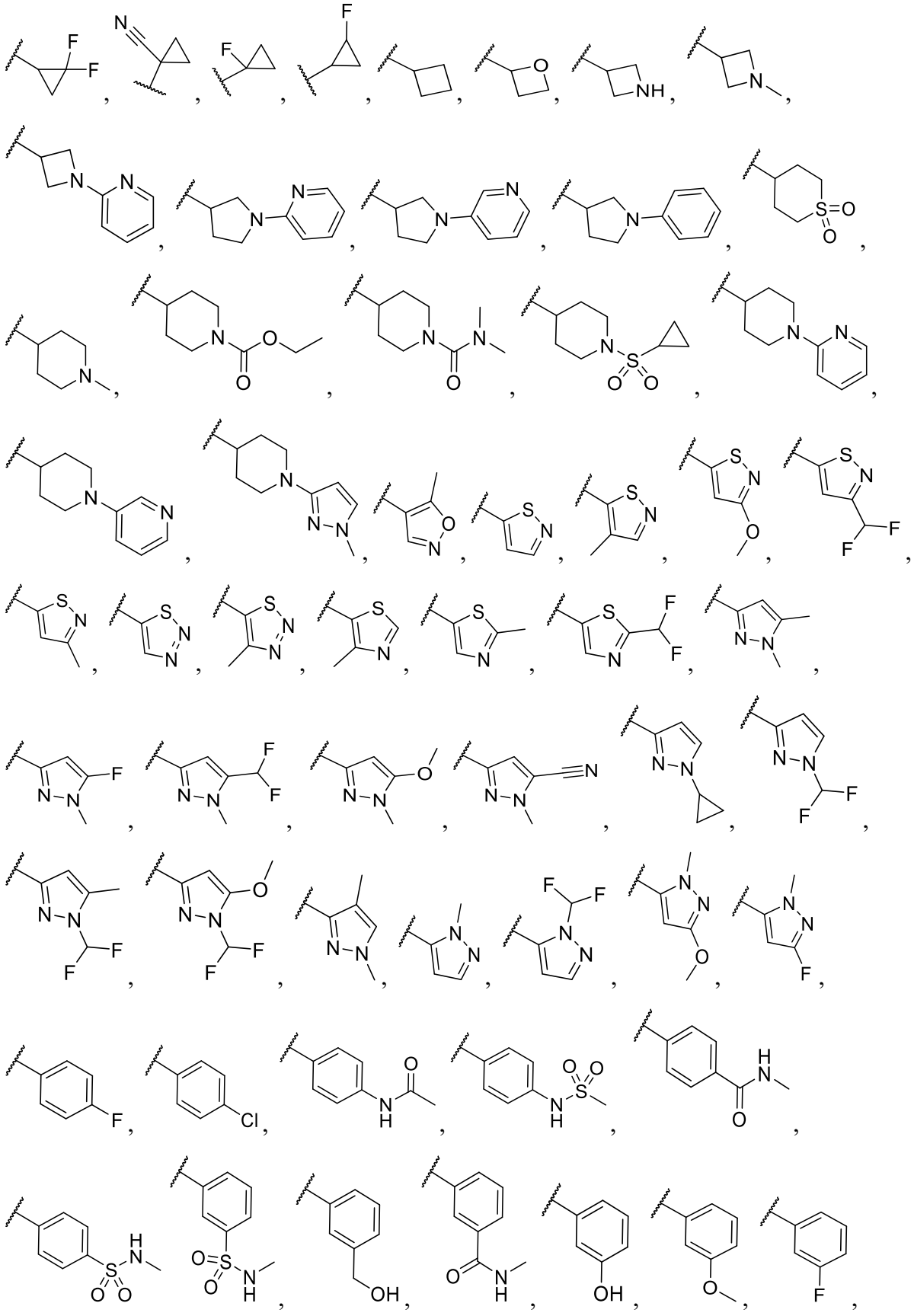
halogen, $-OR^{16}$, $-SR^{16}$, $-N(R^{16})_2$, $-C(O)N(R^{16})_2$, $-C(O)OR^{16}$, $-OC(O)R^{16}$, $-N(R^{16})C(O)R^{16}$, $-N(R^{16})S(O)_2R^{16}$, $-S(O)_2N(R^{16})_2$, $-N(R^{16})C(O)N(R^{16})_2$, $-N(R^{16})C(O)OR^{16}$, $-OC(O)N(R^{16})_2$, $-S(O)R^{16}$, $-S(O)_2R^{16}$, $-NO_2$, =O, =S, and $=N(R^{16})$;

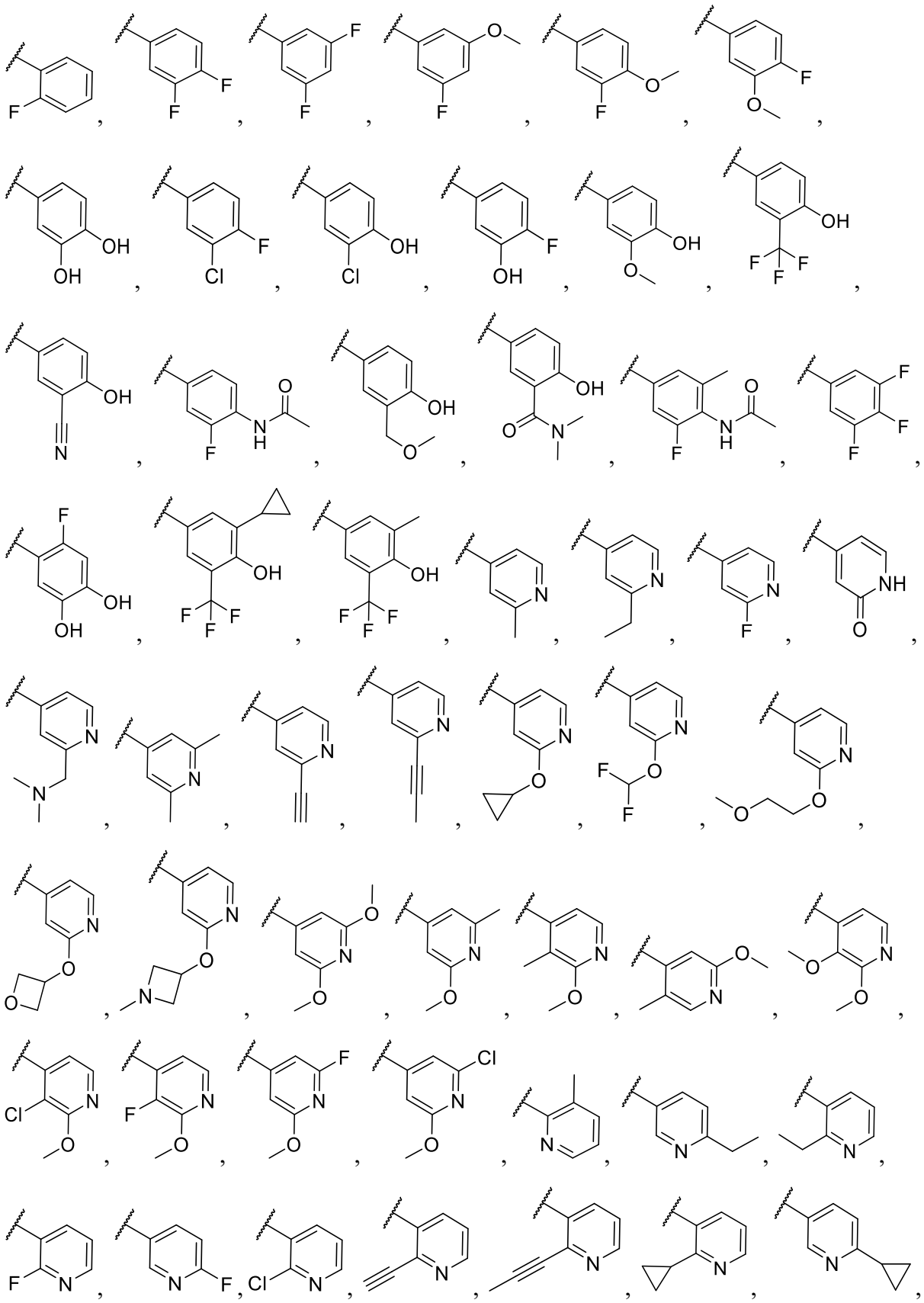
C_{1-4} alkyl optionally substituted with one or more substituents independently selected from: halogen, $-OR^{16}$, $-SR^{16}$, $-N(R^{16})_2$, and $-NO_2$; and

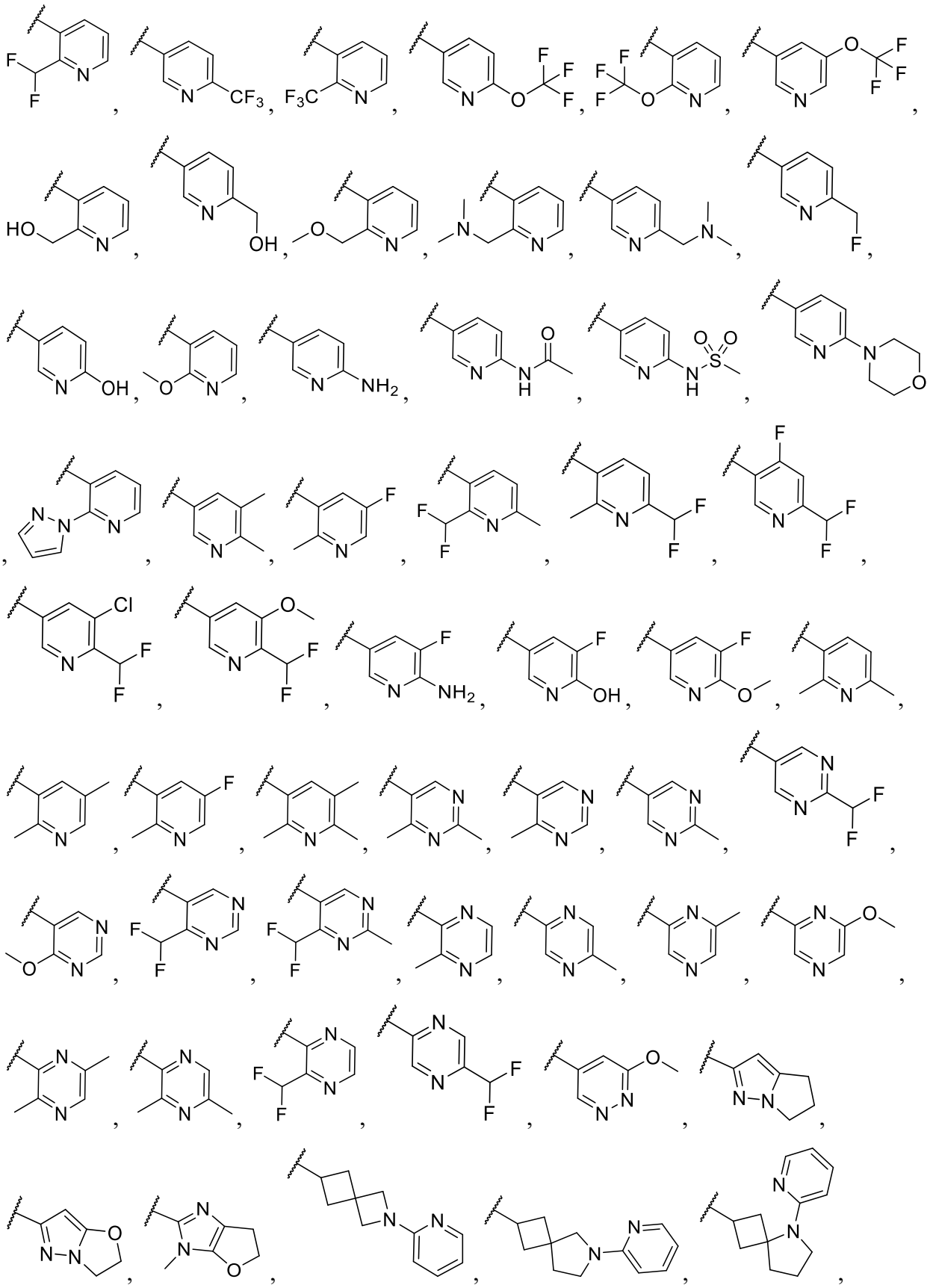
4- to 6-membered heterocycle and C_{3-8} carbocycle, each of which is optionally substituted with one or more substituents independently selected from: halogen, C_{1-4} alkyl, C_{1-4} haloalkyl, $-OR^{16}$, $-SR^{16}$, $-N(R^{16})_2$, $-NO_2$, and -CN.

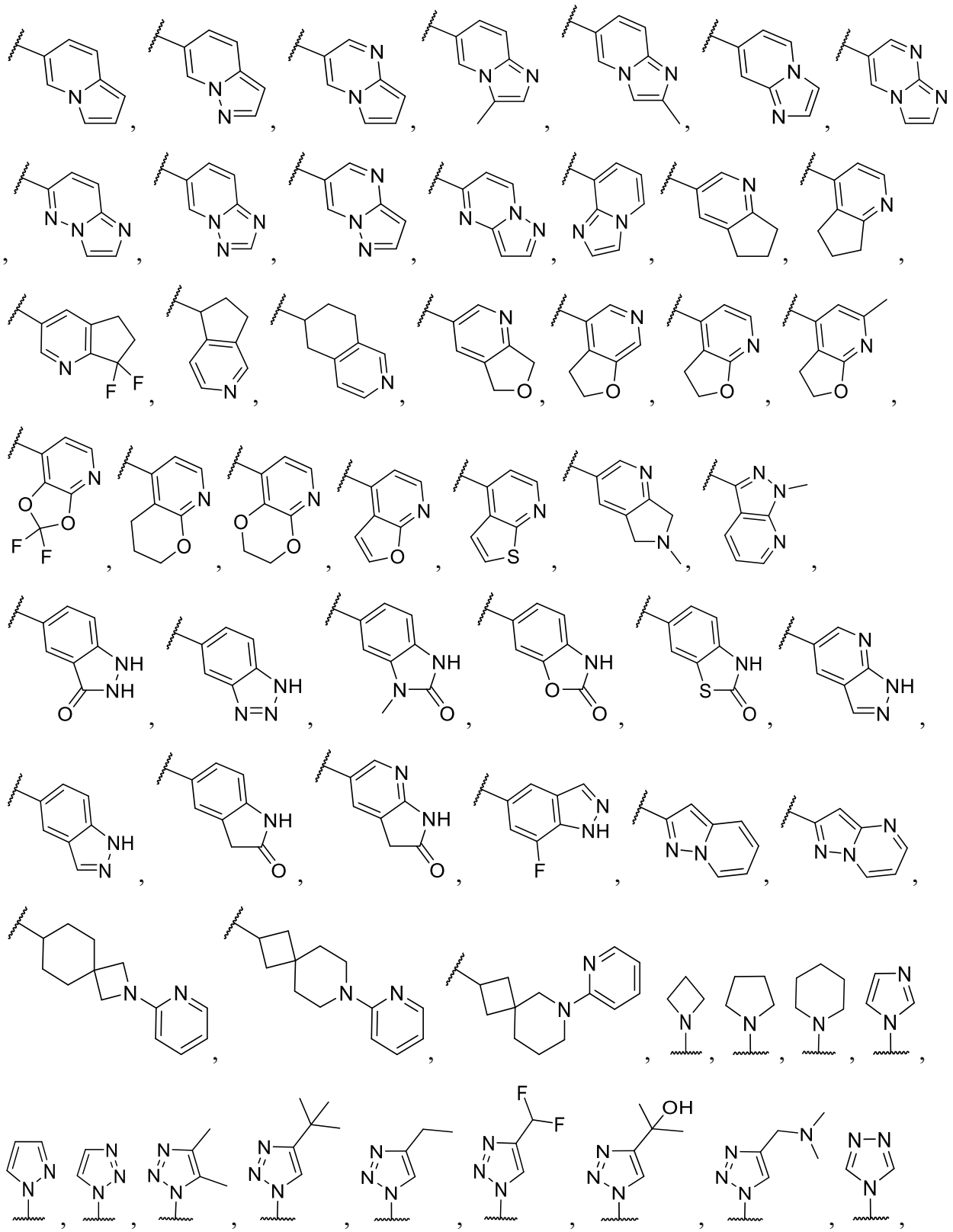
17. The compound or salt of any one of claims 1-15, wherein R^5 is selected from:

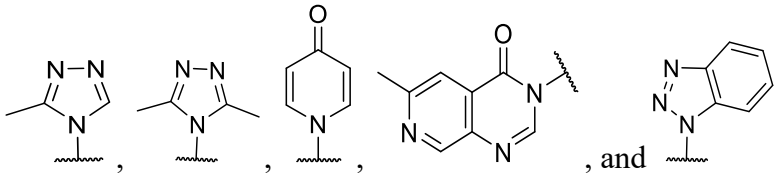




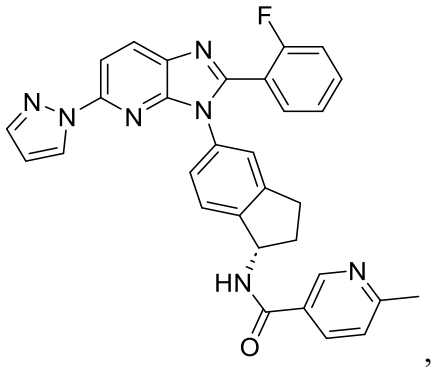
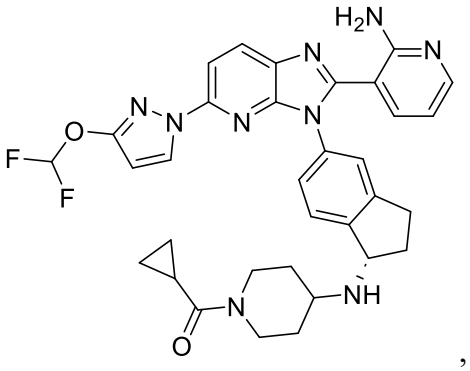
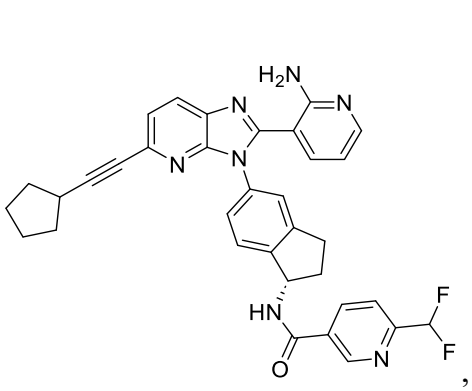
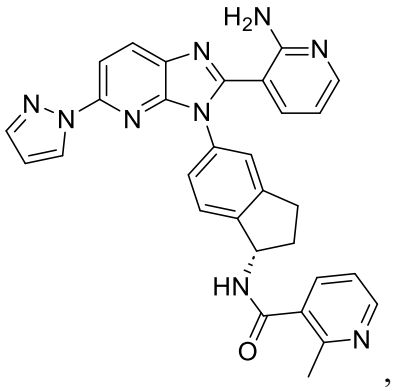
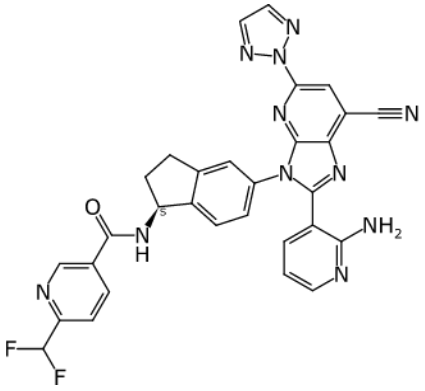
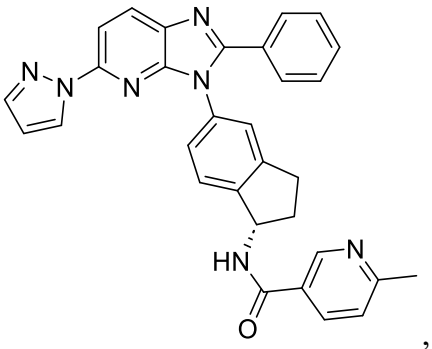


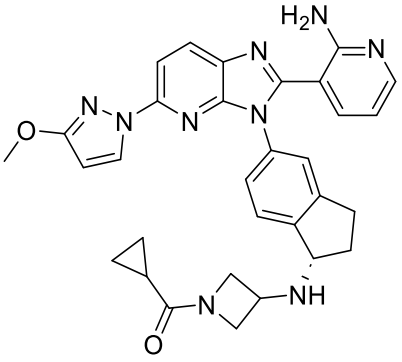
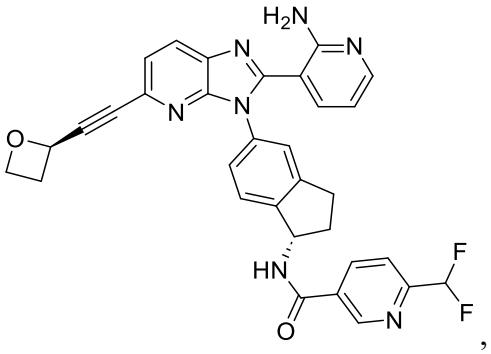
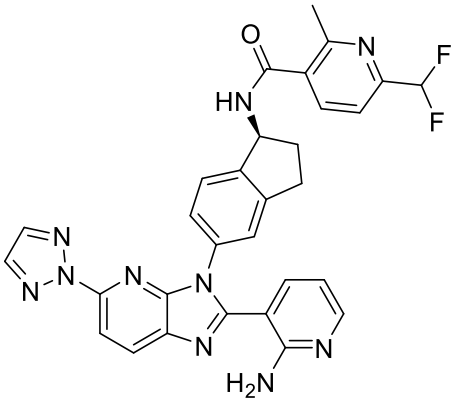
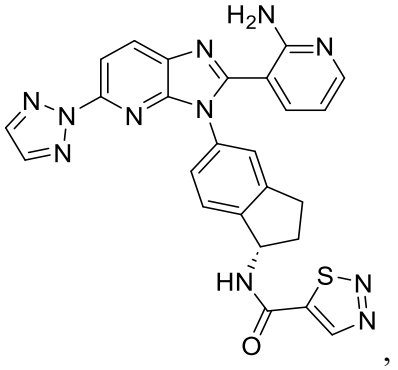
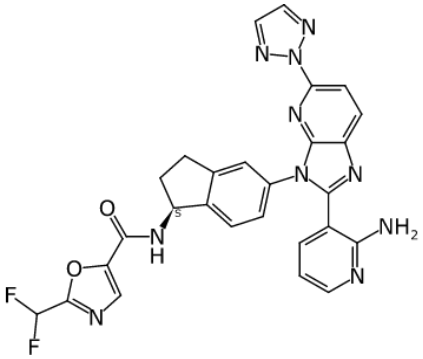
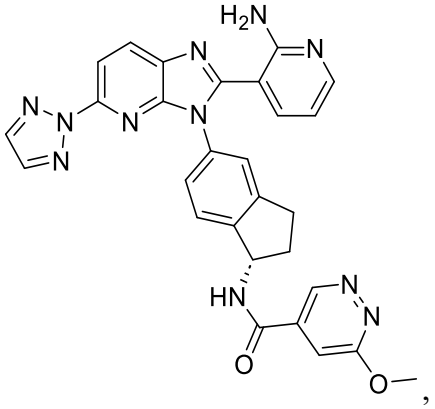
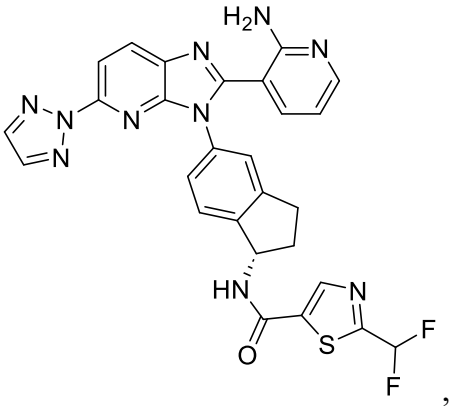
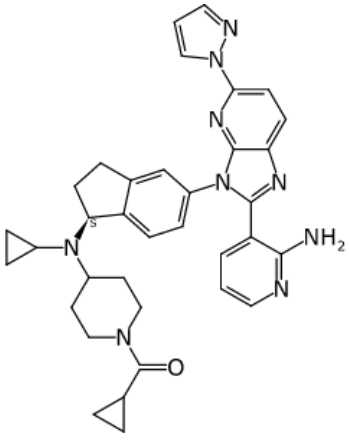


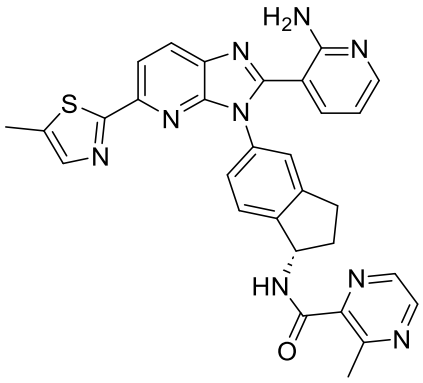
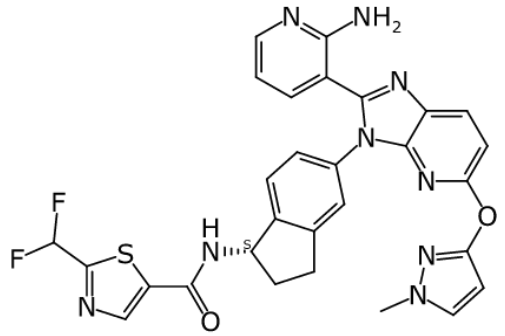
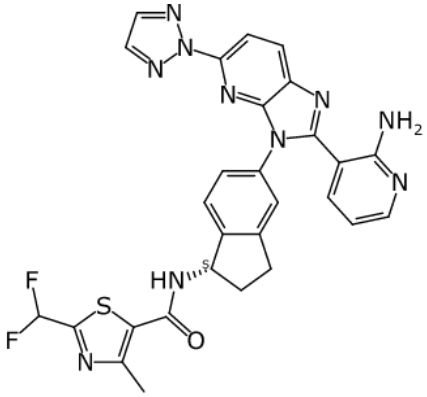
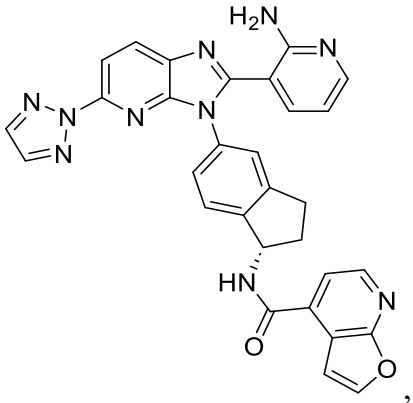
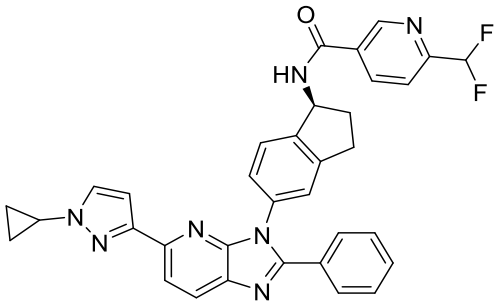
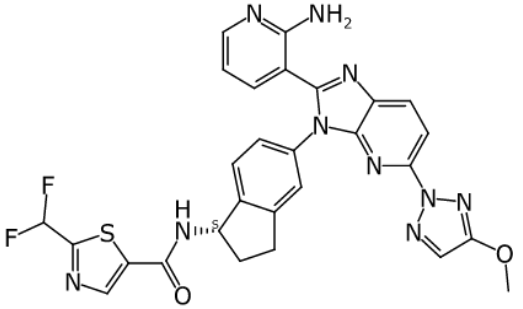
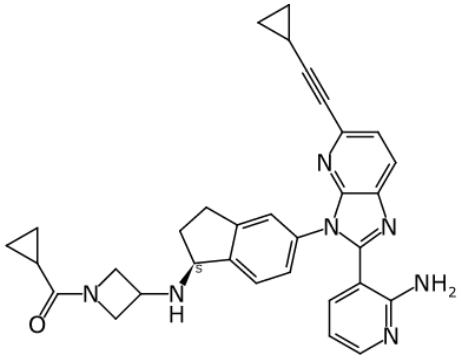
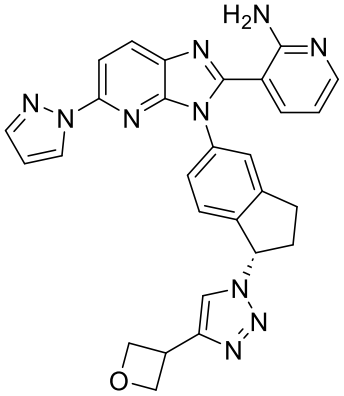


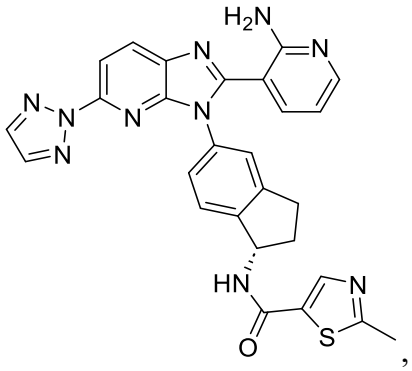
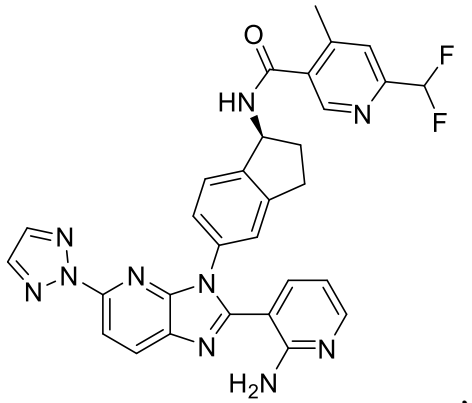
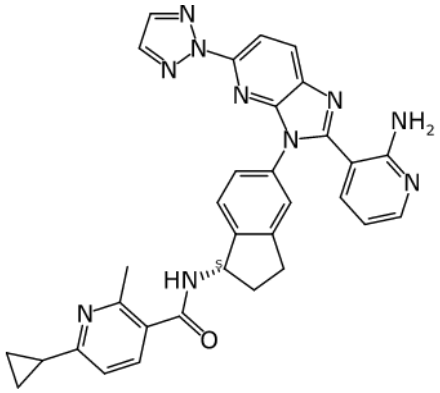
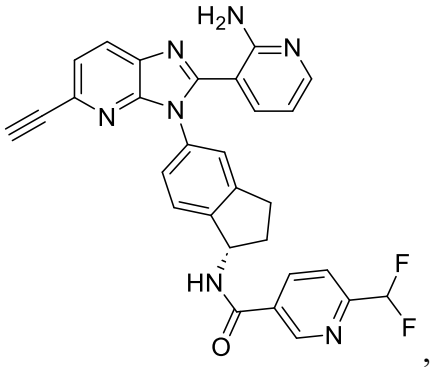
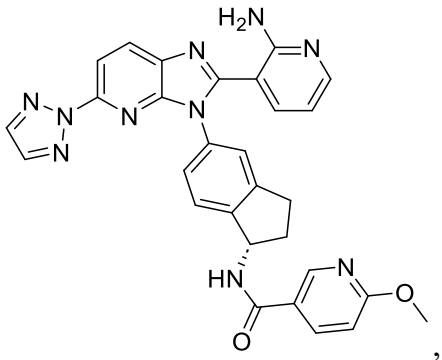
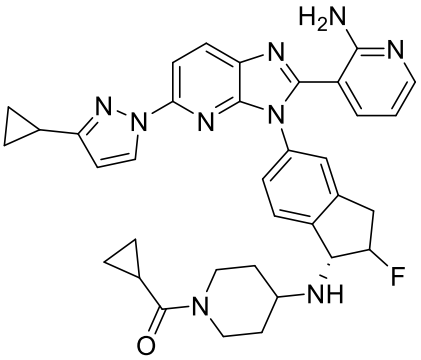
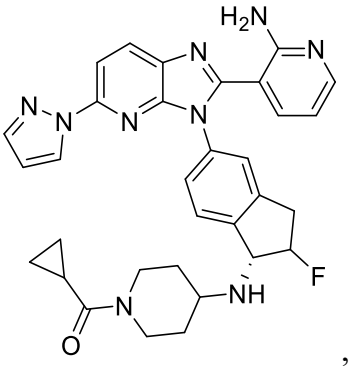
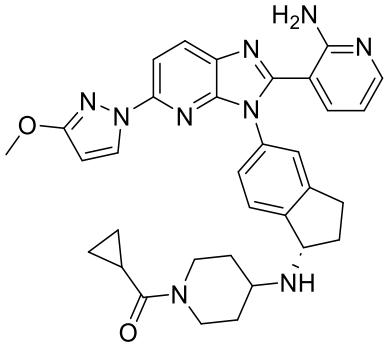
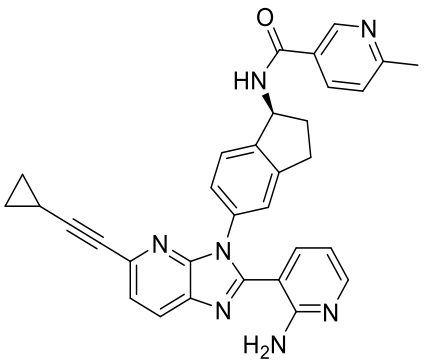
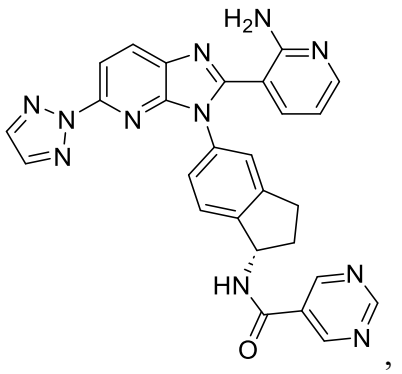

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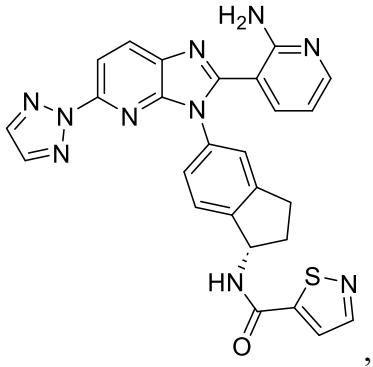
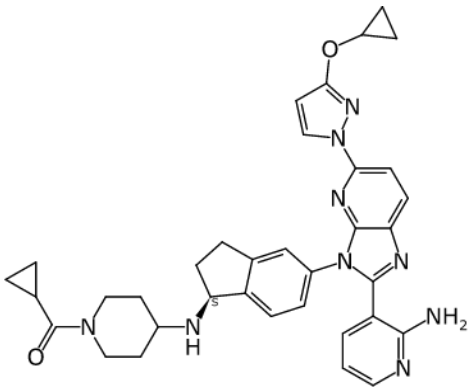
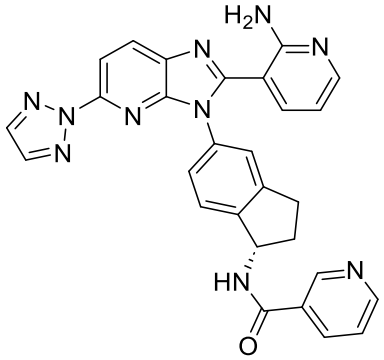
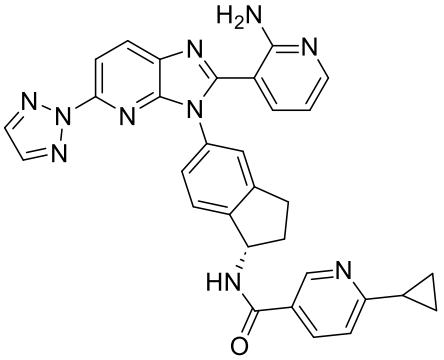
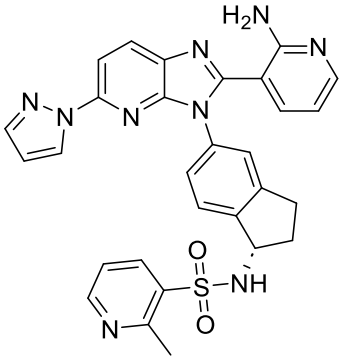
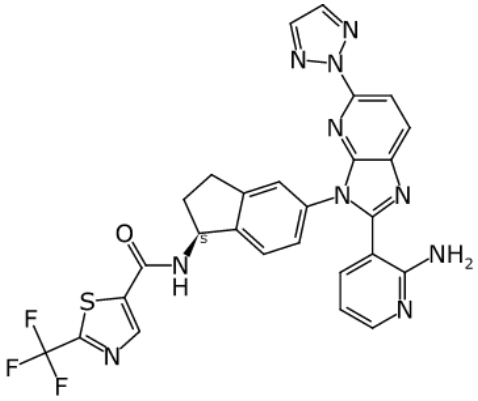
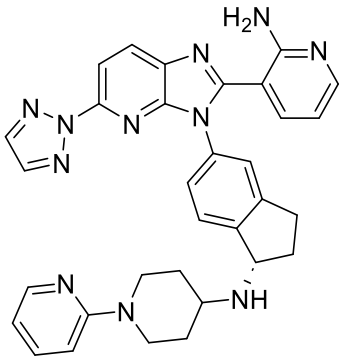
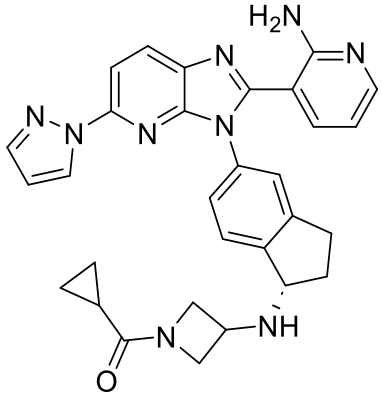
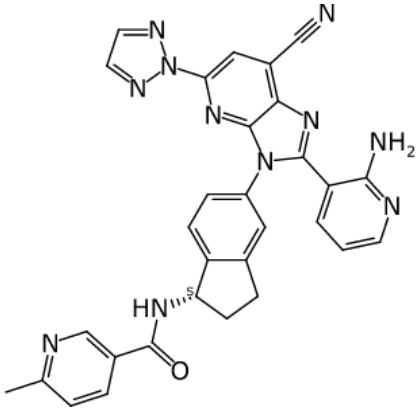
18. The compound or salt of claim 1, wherein the compound of Formula (I) is selected from:

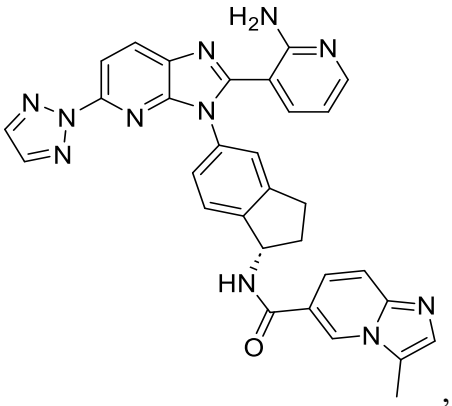
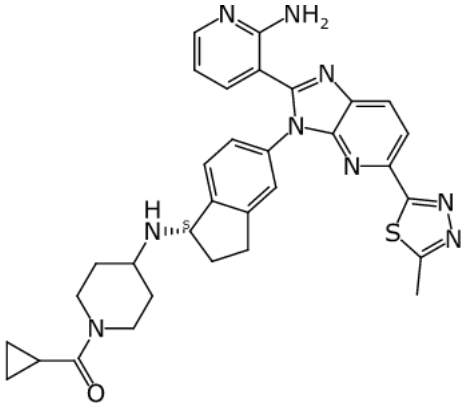
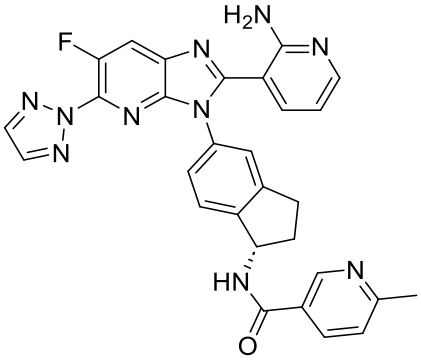
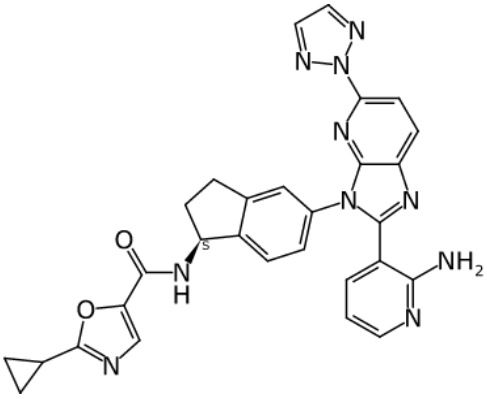
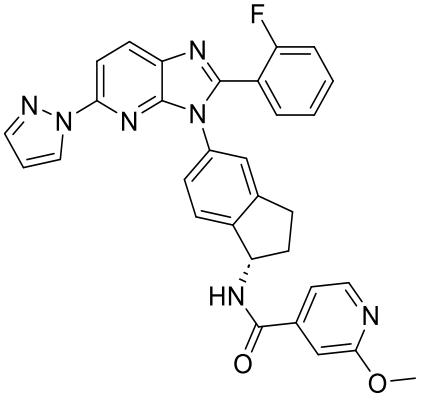
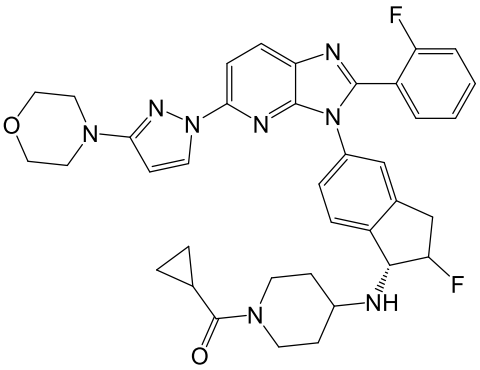
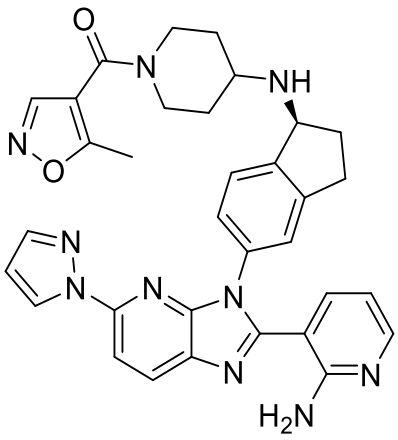
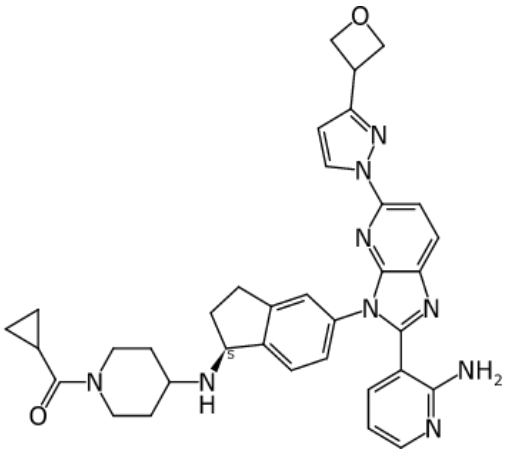

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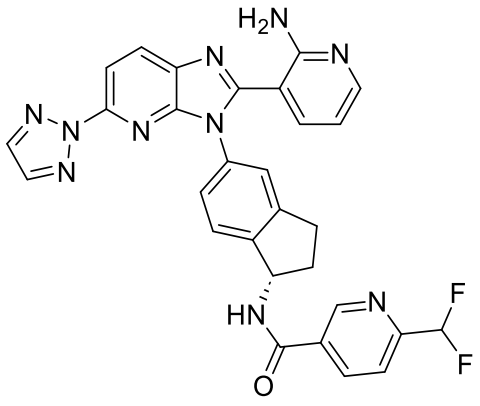

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and



, or a pharmaceutically acceptable salt of any one thereof.

19. A pharmaceutical composition comprising a pharmaceutically acceptable excipient and a compound or salt of any one of claims 1-18.

20. Use of a compound or salt of any of claims 1-18, or a pharmaceutical composition of claim 19 in the manufacture of a medicament for the treatment of cancer, wherein the medicament is to be administered to the subject.

21. The use of claim 20, wherein the cancer is selected from breast cancer, colorectal cancer, and meningioma.

22. The use of claim 20 or claim 21, wherein the administration modulates activity of a mutant AKT1.