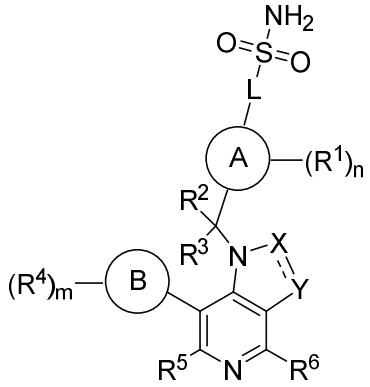
CLAIMS

WHAT IS CLAIMED IS:

1. A compound of Formula (I), or a pharmaceutically acceptable salt thereof:



Formula (I),

wherein:

Ring A is cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

L is a bond, -NH-, or -O-;

each R^1 is independently halogen, -CN, $-NO_2$, -OH, $-OR^a$, $-OC(=O)R^a$, $-OC(=O)OR^b$, $-OC(=O)NR^cR^d$, -SH, $-SR^a$, $-S(=O)R^a$, $-S(=O)_2R^a$, $-S(=O)_2NR^cR^d$, $-NR^cR^d$, $-NR^bC(=O)NR^cR^d$, $-NR^bC(=O)R^a$, $-NR^bC(=O)OR^b$, $-NR^bS(=O)_2R^a$, $-C(=O)R^a$, $-C(=O)OR^b$, $-C(=O)NR^cR^d$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

or two R^1 on the same atom are taken together to form an oxo;

n is 0-6;

R^2 is hydrogen, halogen, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, or C_1-C_6heteroalkyl;

R^3 is hydrogen, halogen, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, or C_1-C_6heteroalkyl;

$\equiv$ is a single bond or a double bond; wherein:

when $\equiv$ is a double bond, X is N or CR^X and Y is N or CR^Y;

when $\equiv$ is a single bond, X is C(=O) and Y is NR^{Y1} or $C(R^{Y2})_2$;

R^X is hydrogen, halogen, -CN, -OH, $-OR^a$, $-NR^cR^d$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, cycloalkyl, or heterocycloalkyl; wherein the alkyl, cycloalkyl, and heterocycloalkyl is optionally substituted with one or more R;

R^Y is hydrogen, halogen, -CN, -OH, $-OR^a$, $-NR^cR^d$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, cycloalkyl, or heterocycloalkyl; wherein the alkyl, cycloalkyl, and heterocycloalkyl is optionally substituted with one or more R;

R^{Y1} is hydrogen, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, cycloalkyl, or heterocycloalkyl; wherein the alkyl, cycloalkyl, and heterocycloalkyl is optionally substituted with one or more R;

each R^{Y2} is independently hydrogen, halogen, -CN, -OH, -OR^a, -NR^cR^d, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, cycloalkyl, or heterocycloalkyl; wherein each alkyl, cycloalkyl, and heterocycloalkyl is independently and optionally substituted with one or more R;

Ring B is cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

each R^4 is independently halogen, -CN, -NO_2, -OH, -OR^a, -$OC(=O)R^a$, -$OC(=O)OR^b$, -$OC(=O)NR^cR^d$, -SH, -SR^a, -$S(=O)R^a$, -$S(=O)_2R^a$, -$S(=O)_2NR^cR^d$, -NR^cR^d, -$NR^bC(=O)NR^cR^d$, -$NR^bC(=O)R^a$, -$NR^bC(=O)OR^b$, -$NR^bS(=O)_2R^a$, -$C(=O)R^a$, -$C(=O)OR^b$, -$C(=O)NR^cR^d$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

or two R^4 on the same atom are taken together to form an oxo;

m is 0-4;

R^5 is hydrogen, halogen, -CN, -NO_2, -OH, -OR^a, -NR^cR^d, -$C(=O)R^a$, -$C(=O)OR^b$, -$C(=O)NR^cR^d$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

R^6 is hydrogen, halogen, -CN, -NO_2, -OH, -OR^a, -NR^cR^d, -$C(=O)R^a$, -$C(=O)OR^b$, -$C(=O)NR^cR^d$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl;

each R^a is independently C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, C_1-C_6alkyl(cycloalkyl), C_1-C_6alkyl(heterocycloalkyl), C_1-C_6alkyl(aryl), or C_1-C_6alkyl(heteroaryl), wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one or more R;

or two R^a are taken together with the atom to which they are attached to form a heterocycloalkyl optionally substituted with one or more R;

each R^b is independently hydrogen, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, C_1-C_6alkyl(cycloalkyl), C_1-C_6alkyl(heterocycloalkyl), C_1-C_6alkyl(aryl), or C_1-C_6alkyl(heteroaryl), wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one or more R;

or two R^b are taken together with the atom to which they are attached to form a heterocycloalkyl optionally substituted with one or more R;

R^c and R^d are each independently hydrogen, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, cycloalkyl, heterocycloalkyl,

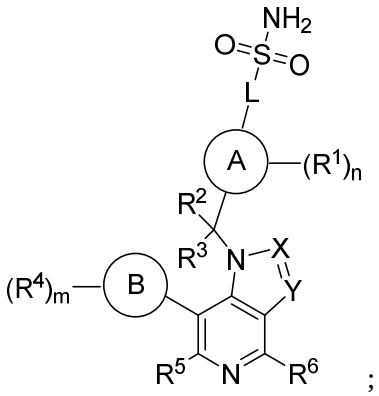
aryl, heteroaryl, C_1-C_6alkyl(cycloalkyl), C_1-C_6alkyl(heterocycloalkyl), C_1-C_6alkyl(aryl), or C_1-C_6alkyl(heteroaryl), wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one or more R;

or R^c and R^d are taken together with the atom to which they are attached to form a heterocycloalkyl optionally substituted with one or more R; and

each R is independently halogen, -CN, -OH, -OCH_3, -$S(=O)CH_3$, -$S(=O)_2CH_3$, -$S(=O)_2NH_2$, -$S(=O)_2NHCH_3$, -$S(=O)_2N(CH_3)_2$, -NH_2, -$NHCH_3$, -$N(CH_3)_2$, -$C(=O)CH_3$, -C(=O)OH, -$C(=O)OCH_3$, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6hydroxyalkyl, C_1-C_6aminoalkyl, C_1-C_6heteroalkyl, cycloalkyl, or heterocycloalkyl;

or two R on the same atom form an oxo.

2. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound is of Formula (Ia), or a pharmaceutically acceptable salt thereof:



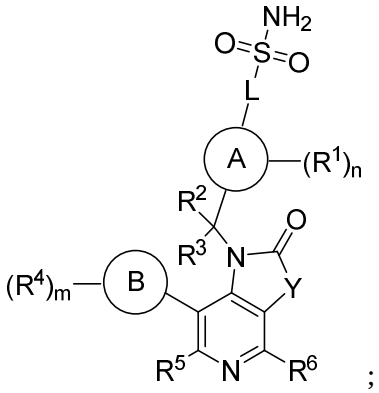
;

Formula (Ia).

3. The compound of claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is CR^X and Y is N and R^X is hydrogen, halogen, C_1-C_6alkyl, C_1-C_6haloalkyl, or cycloalkyl.

4. The compound of claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is CR^X and Y is CR^Y; R^X is hydrogen, halogen, C_1-C_6alkyl, C_1-C_6haloalkyl, or cycloalkyl; and R^Y is hydrogen, halogen, C_1-C_6alkyl, C_1-C_6haloalkyl, or cycloalkyl.

5. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound is a compound of Formula (Ib), or a pharmaceutically acceptable salt thereof:



;

Formula (Ib).

6. The compound of claim 1 or 5, or a pharmaceutically acceptable salt thereof, wherein Y is NR^{Y1} and R^{Y1} is hydrogen, C_1-C_6alkyl, or C_1-C_6haloalkyl.

7. The compound of any one of claims 1-6, or a pharmaceutically acceptable salt thereof, wherein Ring A is phenyl or pyridinyl.

8. The compound of any one of claims 1-7, or a pharmaceutically acceptable salt thereof, wherein L is a bond.

9. The compound of any one of claims 1-8, or a pharmaceutically acceptable salt thereof, wherein each R^1 is independently halogen, C_1-C_6alkyl, or C_1-C_6haloalkyl and n is 0 or 1.

10. pThe compound of any one of claims 1-9, or a pharmaceutically acceptable salt thereof, wherein R^2 is hydrogen or C_1-C_6alkyl and R^3 is hydrogen or C_1-C_6alkyl.

11. The compound of any one of claims 1-10, or a pharmaceutically acceptable salt thereof, wherein R^2 is hydrogen and R^3 is hydrogen.

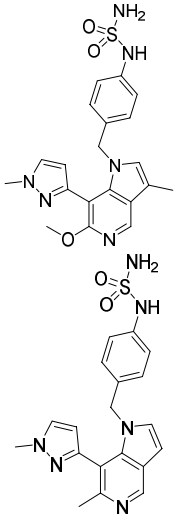
12. The compound of any one of claims 1-11, or a pharmaceutically acceptable salt thereof, wherein Ring B is aryl or heteroaryl.

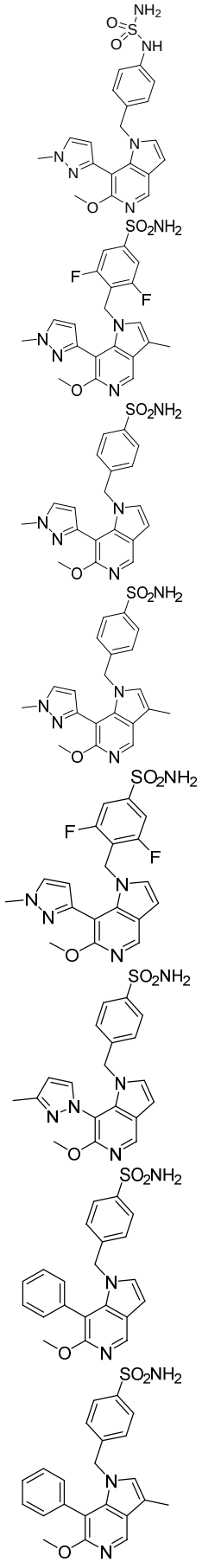
13. The compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, wherein R^4 is halogen, C_1-C_6alkyl, or C_1-C_6haloalkyl and m is 0 or 1.

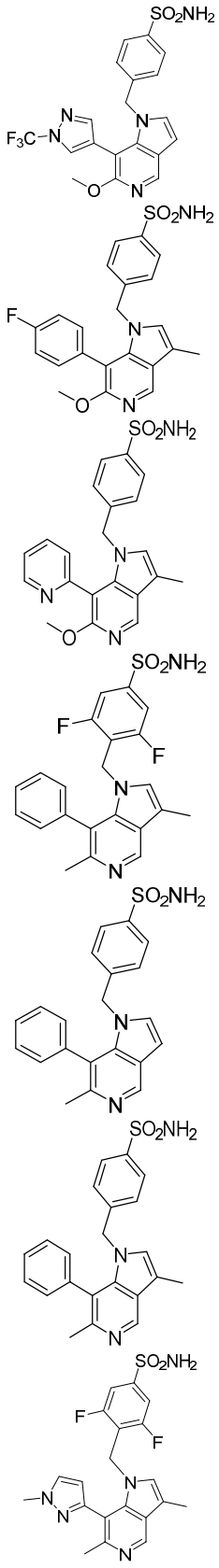
14. The compound of any one of claims 1-13, or a pharmaceutically acceptable salt thereof, wherein R^5 is $-OR^a$ or C_1-C_6alkyl.

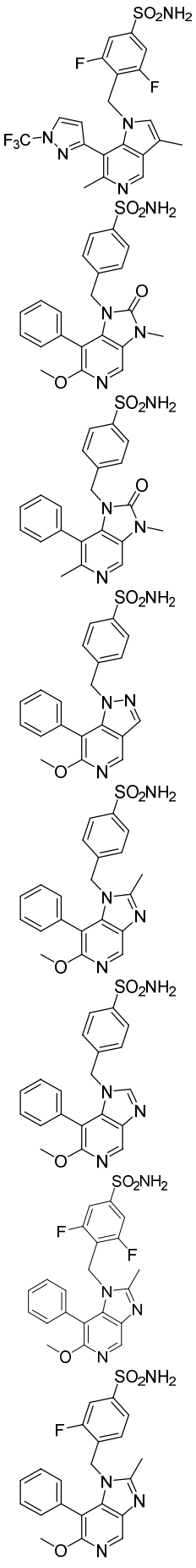
15. The compound of any one of claims 1-14, or a pharmaceutically acceptable salt thereof, wherein R^6 is hydrogen or C_1-C_6alkyl.

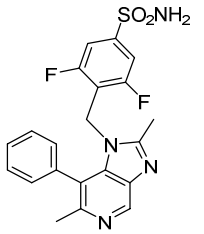
16. The compound of claim 1, or a pharmaceutically acceptable salt thereof, which is a compound selected from the following compounds, or a pharmaceutically acceptable salt thereof:

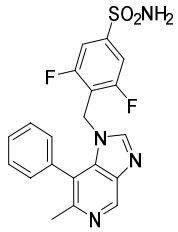


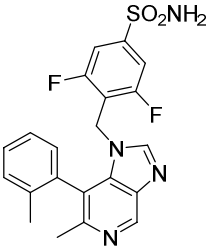


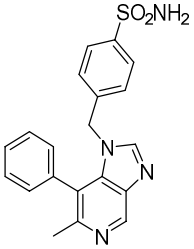


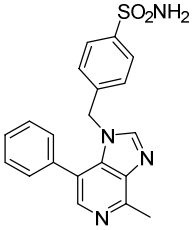


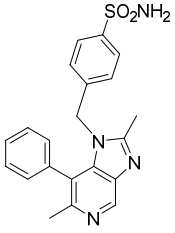


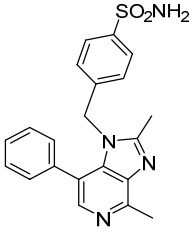


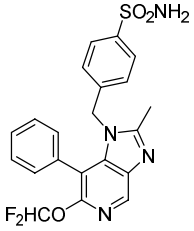


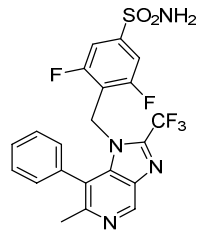


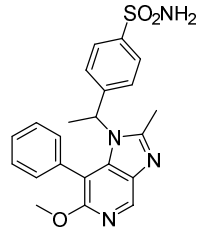


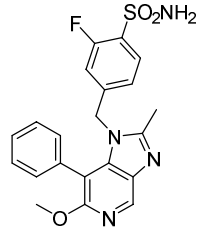


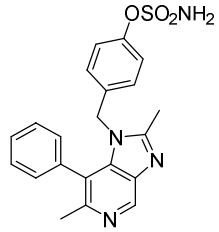


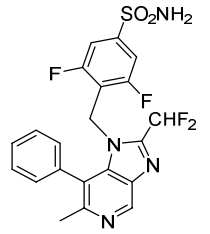


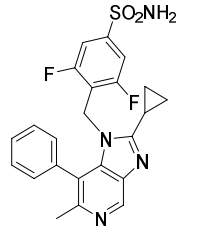


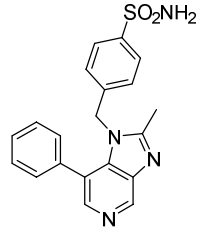


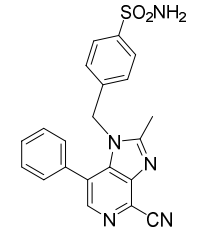


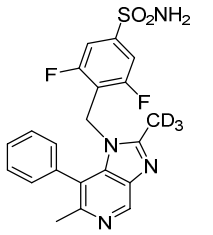


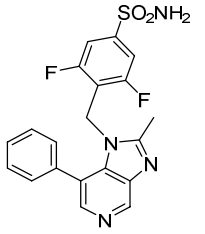


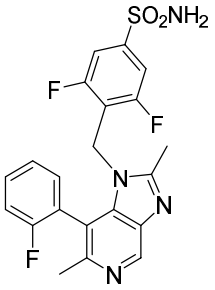


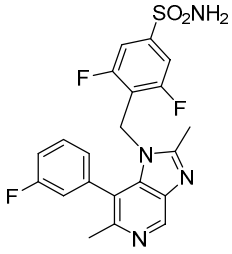


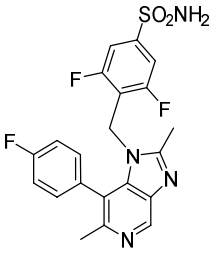


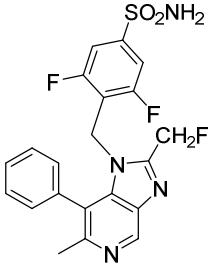


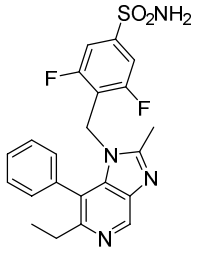


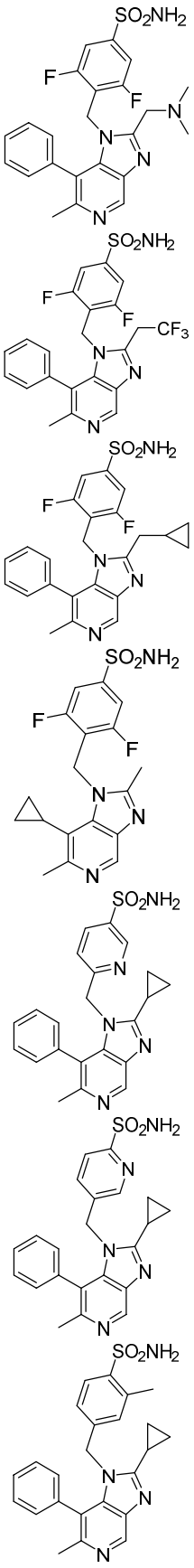


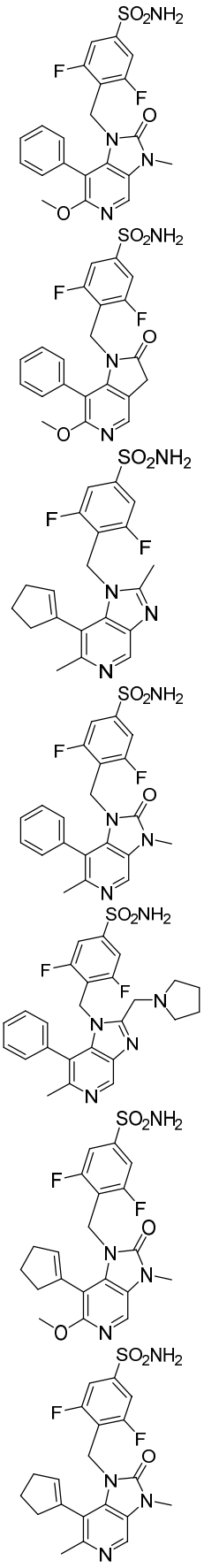


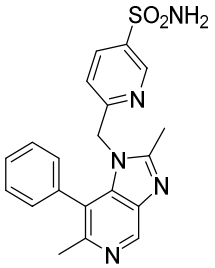


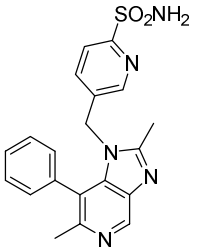


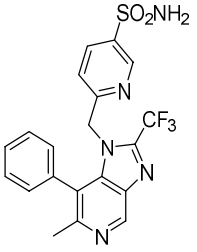


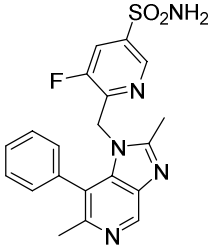


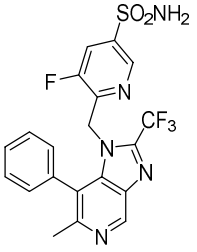


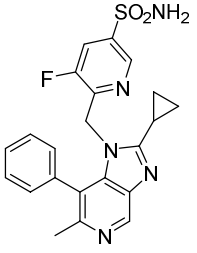


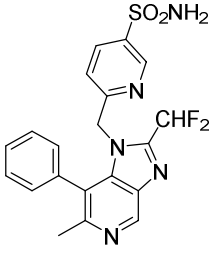


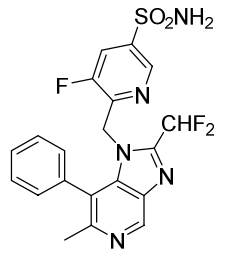


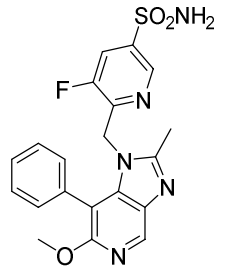


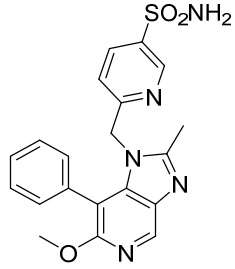


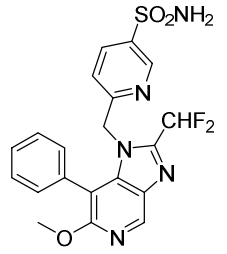


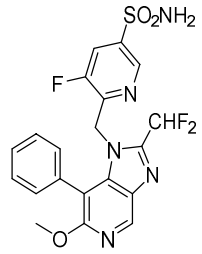


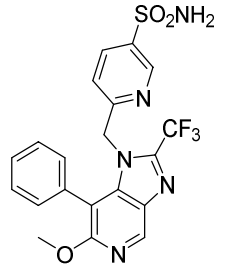


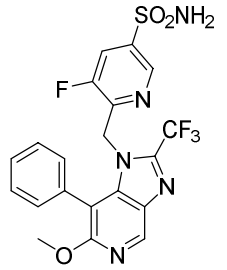


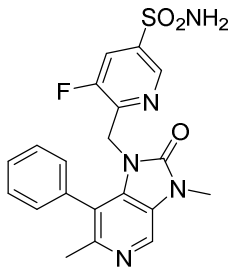


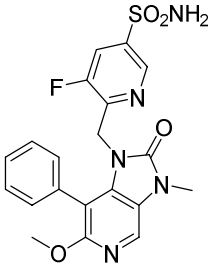


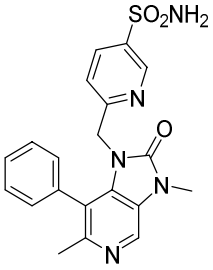


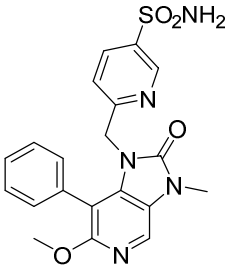


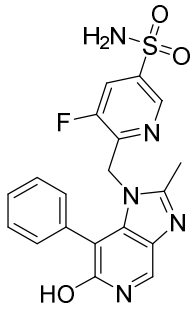


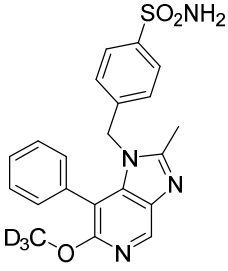


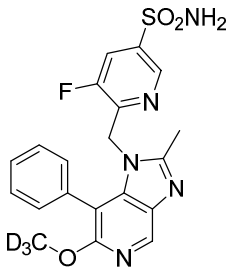


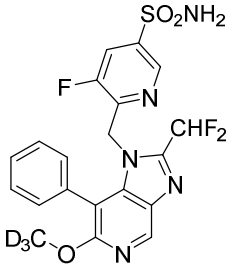




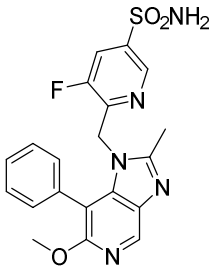








17. The compound of claim 1, or a pharmaceutically acceptable salt thereof, which is the following compound, or a pharmaceutically acceptable salt thereof:



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18. A pharmaceutical composition comprising a therapeutically effective amount of a compound of any one of claims 1-17, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable excipient.

19. Use of a compound of any one of claims 1-17, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition of claim 18, in the manufacture of a medicament for treating cancer in a subject.

20. A compound of any one of claims 1-17, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition of claim 18, for use as a medicament.