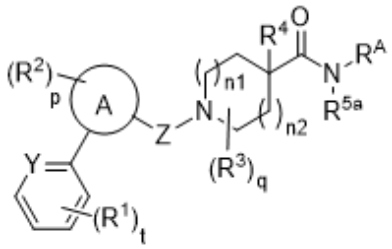
CLAIMS

WHAT IS CLAIMED IS:

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



Formula (I),

wherein,

Z is C(=O) or $S(=O)_2$;

Ring A is phenyl, 5 to 10-membered heteroaryl, C_3-C_8 cycloalkyl, C_8-C_9 spirocyclyl, or 5 to 8-membered heterocycloalkyl;

Y is N, CH, or CR^1;

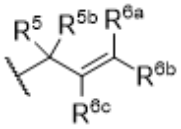
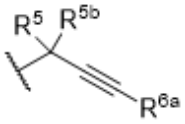
each R^1 is independently halogen, -CN, -OH, $-OR^a$, -SH, $-SR^a$, $-NO_2$, $-N(R^b)_2$, $-C(=O)R^a$, $-C(=O)OR^a$, $-C(=O)NR^aR^b$, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 deuteroalkyl, optionally substituted C_2-C_6 alkenyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 haloalkyl, optionally substituted C_1-C_6 hydroxyalkyl or optionally substituted C_3-C_6 cycloalkyl;

each R^2 is independently halogen, -CN, -OH, $-OR^a$, -SH, $-SR^a$, $-NO_2$, $-N(R^b)_2$, $-S(=O)_2R^a$, $-C(=O)R^a$, $-C(=O)OR^a$, $-C(=O)NR^aR^b$, oxo (=O), optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 deuteroalkyl, optionally substituted C_2-C_6 alkenyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 alkylamino, optionally substituted C_1-C_6 haloalkyl, optionally substituted C_1-C_6 hydroxyalkyl, optionally substituted C_3-C_6 cycloalkyl, optionally substituted arylalkyl or optionally substituted 4 to 6-membered heterocycloalkyl;

or two R^2 together with the atom(s) to which they are attached combine to form a C_3-C_5 cycloalkyl, 4 to 5-membered heterocycloalkyl, or a 5-membered heteroaryl ring;

each R^3 is independently halogen, -CN, -OH, $-OR^a$, C_1-C_6 alkyl, C_1-C_6 deuteroalkyl, or C_1-C_6 haloalkyl;

R^4 is H, halogen, -OH, $-OR^a$, or C_1-C_6 alkyl;

R^A is  or , wherein

R^5 is H, optionally substituted C_1-C_3 alkyl, optionally substituted C_1-C_3 haloalkyl, or optionally substituted C_1-C_3 hydroxyalkyl;

R^{6a} and R^{6b} are each independently H, -CN, -C(=O)OR^7, -C(=O)$N(R^7)_2$, -S(=O)R^7, -$S(=O)_2R^7$, or -S(=O)(=NH)R^7; wherein

each R^7 is independently optionally substituted C_1-C_6 alkyl, optionally substituted C_3-C_6 cycloalkyl, or optionally substituted 4 to 6-membered heterocycloalkyl ring;

or two R^7 together with the nitrogen atom to which they are attached combine to form an optionally substituted 4 to 5-membered heterocycloalkyl ring;

or R^5 and R^7 together with the atoms to which they are attached combine to form a 5-membered heterocycloalkyl ring;

R^{6c} is H or -CN;

or R^{6c} and R^7 together with the atoms to which they are attached combine to form a 4-membered heterocycloalkyl ring;

R^{5a} is H; or R^{5a} and R^{6c} together with the nitrogen atom to which R^{5a} is attached and the two carbons linking R^6 to the nitrogen to which R^{5a} is attached combine to form a 4-membered heterocycloalkyl ring; or R^{5a} is absent and R^{6c} is bound directly to the nitrogen to which R^A is attached to form a 4-membered heterocyclic ring;

or R^{5a} and R^5 together with the nitrogen and carbon atoms to which they are attached form a 4-membered heterocyclic ring;

R^{5b} is H or C_1-C_3 alkyl;

each R^a is independently H, C_1-C_6 alkyl, C_1-C_6 deuteroalkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, C_3-C_6 cycloalkyl, C_3-C_6 heterocycloalkyl, C_5-C_8 aryl, C_5-C_8 heteroaryl, -C_1-C_6 alkyl(aryl), -C_1-C_6 alkyl(heteroaryl), -C_1-C_6 alkyl(cycloalkyl), or -C_1-C_6 alkyl(heterocycloalkyl); wherein each alkyl, deuteroalkyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, alkyl(aryl), alkyl(heteroaryl), alkyl(cycloalkyl) and alkyl(heterocycloalkyl) is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, C_1-C_6 haloalkyl, or C_1-C_6 alkoxy;

each R^b is independently H, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl; wherein the alkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

or two R^b groups on a nitrogen atom are taken together with the nitrogen atom to which they are attached to form a heterocycloalkyl which is optionally substituted with one, two, or three C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

n1 and n2 are each independently 0, 1, 2, or 3;

p is 0, 1, 2, or 3;

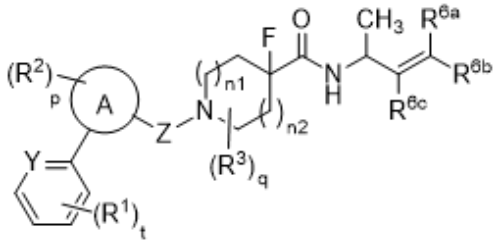
q is 0, 1, or 2; and

t is 0, 1, 2, or 3.

2. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein R^4 is halogen.

3. The compound of claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein R^{5a} and R^{5b} are each H, and R^5 is C_1-C_3 alkyl.

4. The compound of claim 1, wherein the compound has the structure of Formula (Ia), or a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof:



Formula (Ia),

wherein,

Z is C(=O) or $S(=O)_2$;

Ring A is phenyl, 5 to 10-membered heteroaryl, C_3-C_8 cycloalkyl, C_8-C_9 spirocyclyl, or 5 to 8-membered heterocycloalkyl;

Y is CH or CR^1;

each R^1 is independently halogen, -CN, -OH, -OR^a, -SH, -SR^a, -NO_2, -$N(R^b)_2$, -C(=O)R^a, -C(=O)OR^a, -C(=O)NR^aR^b, optionally substituted C_1-C_6 alkyl, optionally substituted C_2-C_6 alkenyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 haloalkyl, optionally substituted C_1-C_6 hydroxyalkyl or optionally substituted C_3-C_6 cycloalkyl;

each R^2 is independently halogen, -CN, -OH, -OR^a, -SH, -SR^a, -NO_2, -$N(R^b)_2$, -$S(=O)_2R^a$, -C(=O)R^a, -C(=O)OR^a, -C(=O)NR^aR^b, oxo (=O), optionally substituted C_1-C_6 alkyl, optionally substituted C_2-C_6 alkenyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 alkylamino, optionally substituted C_1-C_6 haloalkyl, optionally

substituted C_1-C_6 hydroxyalkyl, optionally substituted C_3-C_6 cycloalkyl, optionally substituted arylalkyl or optionally substituted 4 to 6-membered heterocycloalkyl;

or two R^2 together with the atom(s) to which they are attached combine to form a C_3-C_5 cycloalkyl, 4 to 5-membered heterocycloalkyl, or a 5-membered heteroaryl ring;

each R^3 is independently halogen, -CN, -OH, -OR^a, C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

R^{6a} and R^{6b} are each independently H, -CN, -$C(=O)OR^7$, -$C(=O)N(R^7)_2$, -$S(=O)R^7$, -$S(=O)_2R^7$, or -$S(=O)(=NH)R^7$; wherein

each R^7 is independently optionally substituted C_1-C_6 alkyl, optionally substituted C_3-C_6 cycloalkyl, or optionally substituted 4 to 6-membered heterocycloalkyl ring;

or two R^7 together with the nitrogen atom to which they are attached combine to form an optionally substituted 4 to 5-membered heterocycloalkyl ring;

or R^5 and R^7 together with the atoms to which they are attached combine to form a 5-membered heterocycloalkyl ring;

R^{6c} is H or -CN;

or R^{6c} and R^7 together with the atoms to which they are attached combine to form a 4-membered heterocycloalkyl ring;

each R^a is independently H, C_1-C_6 alkyl, C_1-C_6 deuteroalkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, C_3-C_6 cycloalkyl, C_3-C_6 heterocycloalkyl, C_5-C_8 aryl, C_5-C_8 heteroaryl, -C_1-C_6 alkyl(aryl), -C_1-C_6 alkyl(heteroaryl), -C_1-C_6 alkyl(cycloalkyl), or -C_1-C_6 alkyl(heterocycloalkyl); wherein each alkyl, deuteroalkyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, alkyl(aryl), alkyl(heteroaryl), alkyl(cycloalkyl) and alkyl(heterocycloalkyl) is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, C_1-C_6 haloalkyl, or C_1-C_6 alkoxy;

each R^b is independently H, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl; wherein the alkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

or two R^b groups on a nitrogen atom are taken together with the nitrogen atom to which they are attached to form a heterocycloalkyl which is optionally substituted with one, two, or three C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

n1 and n2 are each independently 0, 1, 2, or 3;

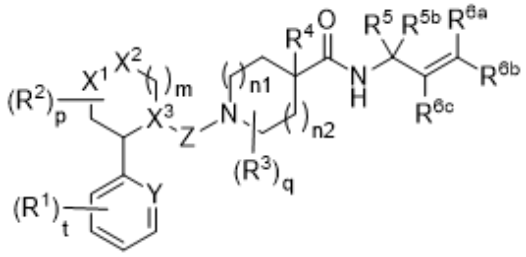
p is 0, 1, 2, or 3;

q is 0, 1, or 2; and

t is 0, 1, 2, or 3.

5. The compound of any one of claims 1-4, or a pharmaceutically acceptable salt thereof, wherein ring A is a C_5-C_7 cycloalkyl or 5 to 7-membered heterocycloalkyl.

6. The compound of claim 1, wherein the compound has the structure of Formula (II), or a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof:



Formula (II),

wherein,

X^1 are X^2 are each independently CH_2, CHR^2, CR^2R^2, O, or NR^{2a}; wherein at least one of X^1 or X^2 is CH_2, CHR^2, or CR^2R^2;

X^3 is CR^8 or N, provided that when X^3 is N, R^8 is absent;

Y is N, CH, or CR^1;

Z is C(=O) or $S(=O)_2$;

each R^1 is independently halogen, -CN, -OH, $-OR^a$, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 deuteroalkyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 haloalkyl, or optionally substituted C_1-C_6 hydroxyalkyl or optionally substituted C_3-C_6 cycloalkyl;

each R^2 is independently halogen, -CN, -OH, $-OR^a$, $-N(R^b)_2$, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 deuteroalkyl, optionally substituted C_2-C_6 alkenyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 haloalkyl, optionally substituted C_1-C_6 hydroxyalkyl, optionally substituted C_3-C_6 cycloalkyl, optionally substituted arylalkyl or optionally substituted 4 to 6-membered heterocycloalkyl;

or two R^2 together with the atom(s) to which they are attached combine to form a C_3-C_5 cycloalkyl;

R^{2a} is H, $-S(=O)_2R^a$, $-C(=O)R^a$, $-C(=O)OR^a$, $-C(=O)NR^aR^b$, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 haloalkyl, C_3-C_6 cycloalkyl, or phenyl;

each R^3 is independently halogen, -CN, -OH, $-OR^a$, C_1-C_6 alkyl, C_1-C_6 deuteroalkyl, or C_1-C_6 haloalkyl;

R^4 is H, halogen, -OH, $-OR^a$, or C_1-C_6 alkyl;

R^5 is H, C_1-C_3 alkyl, C_1-C_3 haloalkyl, or C_1-C_3 hydroxyalkyl;

R^{5b} is H or C_1-C_3 alkyl;

R^{6a} and R^{6b} are each independently H, -CN, $-C(=O)OR^7$, $-C(=O)N(R^7)_2$, $-S(=O)R^7$, $-S(=O)_2R^7$, or $-S(=O)(=NH)R^7$; wherein

each R^7 is independently optionally substituted C_1-C_6 alkyl, optionally substituted C_3-C_6 cycloalkyl, or optionally substituted 4 to 6-membered heterocycloalkyl ring;

or two R^7 together with the nitrogen atom to which they are attached combine to form an optionally substituted 4 to 5-membered heterocycloalkyl ring;

or R^5 and R^7 together with the atoms to which they are attached combine to form a 5-membered heterocycloalkyl ring;

R^{6c} is H or -CN;

or R^{6c} and R^7 together with the atoms to which they are attached combine to form a 4-membered heterocycloalkyl ring;

R^8 is absent, H, halogen, $-OCH_3$, or $-CH_3$;

each R^a is independently H, C_1-C_6 alkyl, C_1-C_6 deuteroalkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, C_3-C_6 cycloalkyl, C_3-C_6 heterocycloalkyl, C_5-C_8 aryl, C_5-C_8 heteroaryl, -C_1-C_6 alkyl(aryl), -C_1-C_6 alkyl(heteroaryl), -C_1-C_6 alkyl(cycloalkyl), or -C_1-C_6 alkyl(heterocycloalkyl); wherein each alkyl, deuteroalkyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, alkyl(aryl), alkyl(heteroaryl), alkyl(cycloalkyl) and alkyl(heterocycloalkyl) is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, C_1-C_6 haloalkyl, or C_1-C_6 alkoxyl;

each R^b is independently H, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl; wherein the alkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

or two R^b groups on a nitrogen atom are taken together with the nitrogen atom to which they are attached to form a heterocycloalkyl which is optionally substituted with one, two, or three C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

m is 0 or 1;

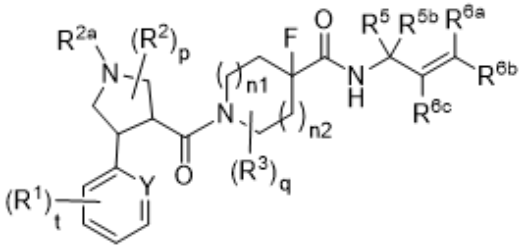
n1 and n2 are each independently 0, 1, 2, or 3;

p is 0, 1, 2, or 3;

q is 0, 1, or 2; and

t is 1, 2, or 3.

7. The compound of claim 6, wherein the compound has the structure of Formula (IIb), or a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof:



Formula (IIb),

wherein,

Y is CH or CR^1;

each R^1 is independently halogen, -CN, -OH, $-OR^a$, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 deuteroalkyl, optionally substituted C_2-C_6 alkynyl, optionally substituted C_1-C_6 haloalkyl, or C_1-C_6 hydroxyalkyl;

each R^2 is independently optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 deuteroalkyl, optionally substituted C_1-C_6 haloalkyl, or optionally substituted C_3-C_6 cycloalkyl;

R^{2a} is H, $-C(=O)OR^a$, $-C(=O)NR^aR^b$, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 haloalkyl, optionally substituted arylalkyl, or optionally substituted C_3-C_6 cycloalkyl;

each R^3 is independently C_1-C_3 alkyl or C_1-C_3 deuteroalkyl;

R^5 is H, C_1-C_3 alkyl, C_1-C_3 haloalkyl, or C_1-C_3 hydroxyalkyl;

R^{5b} is H or C_1-C_3 alkyl;

R^{6a} and R^{6b} are each independently H, -CN, $-C(=O)OR^7$, $-C(=O)N(R^7)_2$, $-S(=O)R^7$, $-S(=O)_2R^7$, or $-S(=O)(=NH)R^7$; wherein

each R^7 is independently optionally substituted C_1-C_6 alkyl, optionally substituted C_3-C_6 cycloalkyl, or optionally substituted 4 to 6-membered heterocycloalkyl ring;

or two R^7 together with the nitrogen atom to which they are attached combine to form an optionally substituted 4 to 5-membered heterocycloalkyl ring;

or R^5 and R^7 together with the atoms to which they are attached combine to form a 5-membered heterocycloalkyl ring;

R^{6c} is H or -CN;

or R^{6c} and R^7 together with the atoms to which they are attached combine to form a 4-membered heterocycloalkyl ring;

each R^a is independently H, C_1-C_6 alkyl, C_1-C_6 deuteroalkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, C_3-C_6 cycloalkyl, C_3-C_6 heterocycloalkyl, C_5-C_8 aryl, C_5-C_8 heteroaryl, -C_1-C_6 alkyl(aryl), -C_1-C_6 alkyl(heteroaryl), -C_1-C_6 alkyl(cycloalkyl), or -C_1-C_6 alkyl(heterocycloalkyl);

wherein each alkyl, deuteroalkyl, haloalkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, alkyl(aryl), alkyl(heteroaryl), alkyl(cycloalkyl) and alkyl(heterocycloalkyl) is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, C_1-C_6 haloalkyl, or C_1-C_6 alkoxyl;

each R^b is independently H, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, or heteroaryl; wherein the alkyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, and heteroaryl is independently optionally substituted with one, two, or three halogen, -OH, C_1-C_6 alkyl, or C_1-C_6 haloalkyl;

n1 and n2 are each independently 0, 1, 2, or 3;

p is 0, 1, 2, or 3;

q is 0, 1, or 2; and

t is 1, 2, or 3.

8. The compound of claim 7 or a pharmaceutically acceptable salt thereof, wherein

Y is CH or R^1;

R^1 is halogen;

R^{2a} is C_1-C_6 haloalkyl;

R^5 is C_1-C_3 alkyl;

R^{5b} is H;

R^{6a} and R^{6b} are each independently H or -S(=O)(=NH)R^7 wherein each R^7 is independently C_1-C_6 alkyl, or R^5 and R^7 together with the atoms to which they are attached combine to form a 5-membered heterocycloalkyl ring;

R^{6c} is H;

n1 and n2 are each independently 1 or 2;

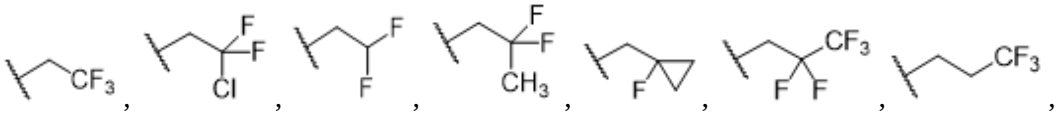
p is 0 or 1;

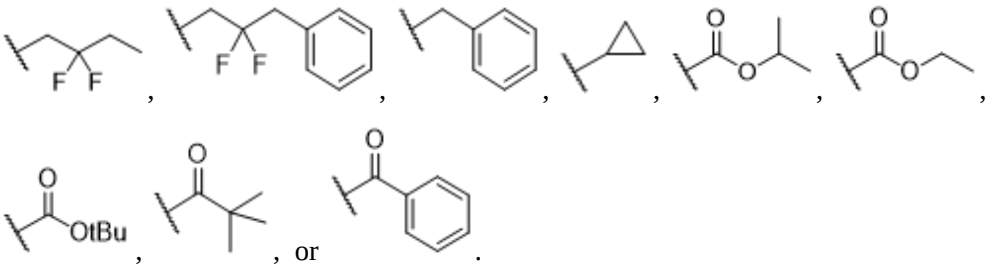
q is 0 or 1; and

t is 1 or 2.

9. The compound of claim 6, or a pharmaceutically acceptable salt thereof, wherein R^{2a} is -C(=O)R^a, -C(=O)OR^a, optionally substituted C_1-C_6 alkyl, optionally substituted C_1-C_6 haloalkyl, or optionally substituted C_3-C_6 cycloalkyl; wherein each R^a is independently C_1-C_6 alkyl or aryl.

10. The compound of claim 7, or a pharmaceutically acceptable salt thereof, wherein R^{2a} is





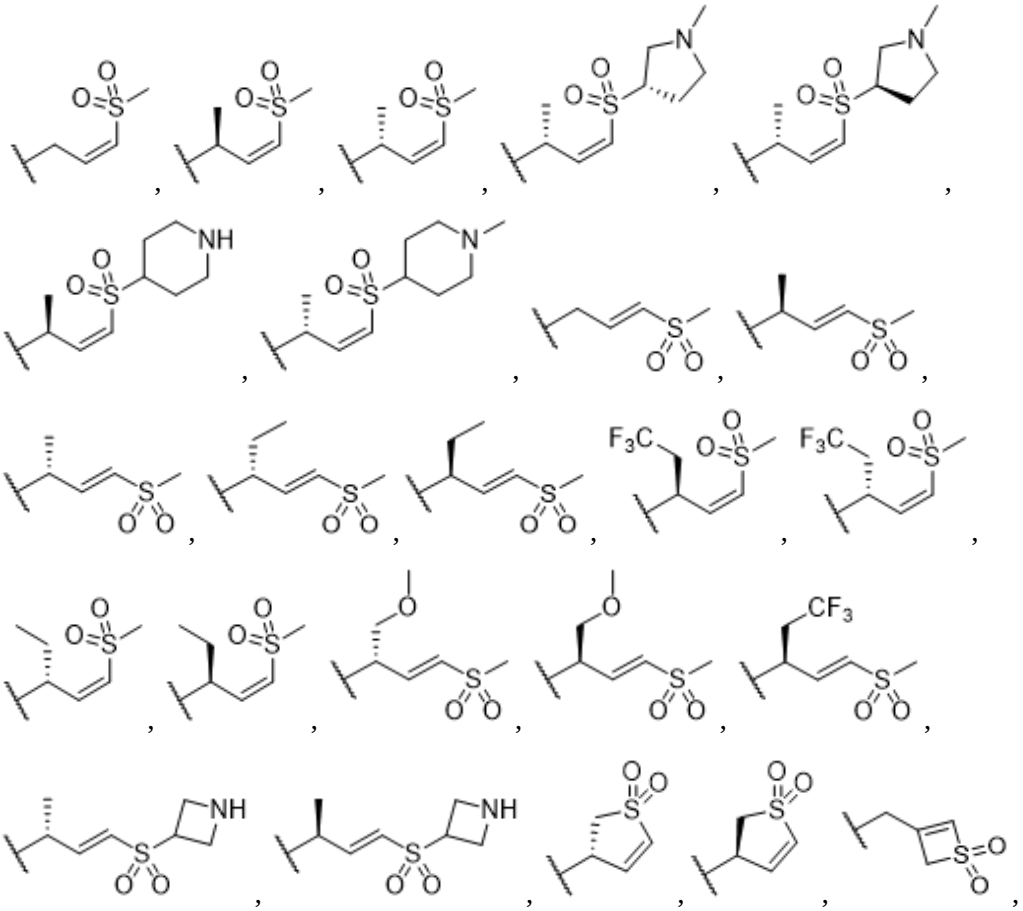
11. The compound of any one of claims 7-10, or a pharmaceutically acceptable salt thereof, wherein p is 0.

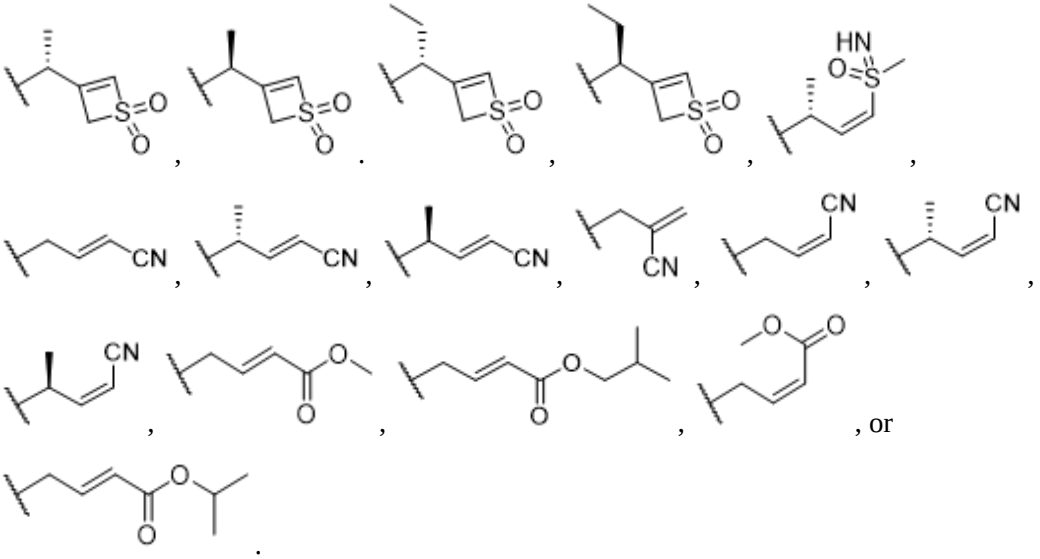
12. The compound of any one of claims 1-11, or a pharmaceutically acceptable salt thereof, wherein each R^1 is independently halogen, -CN, -OH, -OR^a, -C(=O)OR^a, -C(=O)NR^aR^b, optionally substituted C_1-C_6 alkyl, optionally substituted C_2-C_6 alkenyl, optionally substituted C_2-C_6 alkynyl, or optionally substituted C_1-C_6 haloalkyl.

13. The compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, wherein t is 1 or 2.

14. The compound of any one of claims 1-13, or a pharmaceutically acceptable salt thereof, wherein q is 0.

15. The compound of any one of claims 1-14, or a pharmaceutically acceptable salt thereof, wherein R^A is:





16. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound is:

(S,Z)-1-((5-chloro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((3',5-dichloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-4-fluoro-1-((5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((3',5-dimethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2',5-dichloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((3'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-cyano-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-4-fluoro-1-((5-fluoro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-ethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-4-fluoro-1-((5-methoxy-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-propoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-cyclopropoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2',5-dichloro-5'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-(ethoxymethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-4-fluoro-1-((3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((3'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2',5-dichloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((5-methoxy-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-3'-fluoro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-4'-fluoro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5'-fluoro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2',4-dichloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((2'-chloro-6'-fluoro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-fluoro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((2',6-dichloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(trifluoromethoxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-cyano-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(E)-1-((5-chloro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((5-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-4-fluoro-1-((5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((3',5-dimethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((2',5-dichloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((3'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-4-fluoro-1-((3'-methoxy-5-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-4-fluoro-1-((5-methoxy-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((3',5-dichloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((5-chloro-3'-(prop-1-yn-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-5'-fluoro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-4'-fluoro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-ethyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-3'-fluoro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-4'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-3'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-3'-fluoro-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((3',5-dibromo-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-3'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((5-bromo-2'-chloro-6'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-bromo-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(E)-1-((5-bromo-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoropiperidine-4-carboxamide,

(R)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoropiperidine-4-carboxamide,

(S)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoropiperidine-4-carboxamide,

(E)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide,

(E)-N-(3-cyanoallyl)-1-((2',5-dichloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidine-4-carboxamide,

(Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide,

(Z)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide,

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(2-cyanoallyl)-4-fluoropiperidine-4-carboxamide,

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((2R,Z)-4-(S-methylsulfonimidoyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-((R)-S-methylsulfonimidoyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,E)-N-(4-(azetidin-3-ylsulfonyl)but-3-en-2-yl)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidine-4-carboxamide,

(R,E)-N-(4-(azetidin-3-ylsulfonyl)but-3-en-2-yl)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidine-4-carboxamide,

(R,E)-N-(1-(azetidin-3-ylsulfonyl)pent-1-en-3-yl)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidine-4-carboxamide,

(S,E)-N-(1-(azetidin-3-ylsulfonyl)pent-1-en-3-yl)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidine-4-carboxamide,

(R,E)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,E)-1-((5-chloro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,E)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-(methylsulfonyl)pent-1-en-3-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-(methylsulfonyl)pent-1-en-3-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-(methylsulfonyl)pent-1-en-3-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-(methylsulfonyl)pent-1-en-3-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-(dimethylamino)-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2'-chloro-5-(dimethylamino)-5'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2'-chloro-5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((2'-chloro-5-(dimethylamino)-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-(dimethylamino)-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(E)-1-((5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((2'-chloro-5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((5-(dimethylamino)-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide,

(E)-1-((2'-chloro-5-(dimethylamino)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-cyclobutyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

tert-butyl (R,Z)-3-(2'-chloro-6-((4-fluoro-4-((4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidin-1-yl)sulfonyl)-[1,1'-biphenyl]-3-yl)azetidine-1-carboxylate,

(S,Z)-1-((5-chloro-3'-(prop-1-yn-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-cyclopropoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-ethoxy-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((5-isopropoxy-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-hydroxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-isopropoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-cyclopropoxy-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-vinyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((2'-methyl-5-vinyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(prop-1-en-2-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((2'-methyl-5-(prop-1-en-2-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-ethyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-ethyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-ethyl-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-isopropyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((5-isopropyl-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-(azetidin-1-yl)-2'-methyl-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)-1-((5-(pyrrolidin-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)piperidine-4-carboxamide,

tert-butyl (R,Z)-4-(2'-chloro-6-((4-fluoro-4-((4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidin-1-yl)sulfonyl)-[1,1'-biphenyl]-3-yl)piperazine-1-carboxylate,

(R,Z)-1-((2'-chloro-5-(pyrrolidin-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((2'-methyl-5-(pyrrolidin-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-morpholino-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-4-fluoro-1-((2'-methyl-5-morpholino-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-4'-fluoro-5-(pyrrolidin-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-(azetidin-1-yl)-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-(2-methoxyethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(S,Z)-1-((5-chloro-3'-(methoxymethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((5-chloro-3'-((E)-(methoxyimino)methyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((S,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(2-hydroxyethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((2'-chloro-5-(1-hydroxyethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(hydroxymethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(prop-1-yn-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(oxetan-3-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-methoxy-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,E)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide,

(R,E)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide,

(R,E)-1-((2'-chloro-5-cyano-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide,

(R,E)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide,

(R,E)-1-((5-acetyl-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-methoxy-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

1-((2'-chloro-5-(1-hydroxyethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4S)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-cyano-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4S)-1-((5-bromo-3'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R,Z)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-methoxy-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4R)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2S,4S)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-(methoxymethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(R)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2,2-dimethyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide,

(2R,4S)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-cyano-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide,

(2R,4S)-1-((5-bromo-3'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide,

(2R,4S)-1-((2'-chloro-5-(methoxymethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide,

(R,Z)-1-((5-(2-chlorophenyl)benzo[b]thiophen-6-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide,

tert-butyl cis-(3RS,4RS)-3-(2-chlorophenyl)-4-(4-fluoro-4-(((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidine-1-carbonyl)pyrrolidine-1-carboxylate;

isopropyl (3R,4R)-3-(2-chlorophenyl)-4-(4-fluoro-4-(((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidine-1-carbonyl)pyrrolidine-1-carboxylate;

ethyl (3R,4R)-3-(2-chlorophenyl)-4-(4-fluoro-4-(((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidine-1-carbonyl)pyrrolidine-1-carboxylate;

1-((3R,4R)-4-(2-chlorophenyl)-1-pivaloylpyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3R,4R)-1-benzoyl-4-(2-chlorophenyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoropiperidine-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-5-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-4-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-3-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-4-methylphenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-5-methylphenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chloro-6-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-3-methylphenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2,3-difluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(2*S,4*S)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2*S,4*S)-1-((3*R,4*R)-4-(2-chloro-3-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoroazepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,E)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluorobutyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluoropropyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluoropropyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluoro-2-phenylethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,3,3,3-pentafluoropropyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chloro-6-fluorophenyl)-1-(2,2-difluoropropyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-4-(2-chloro-6-fluorophenyl)-1-((1-fluorocyclopropyl)methyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-((1-fluorocyclopropyl)methyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R,Z)-1-((4-(2-chlorophenyl)-6-methoxypyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((4-(2-chlorophenyl)-6-methoxypyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(E)-1-((4-(2-chlorophenyl)-6-methoxypyridin-3-yl)sulfonyl)-4-fluoro-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide;

(E)-4-fluoro-1-((6-methoxy-4-(o-tolyl)pyridin-3-yl)sulfonyl)-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide;

(S,Z)-4-fluoro-1-((6-methoxy-4-(o-tolyl)pyridin-3-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(E)-4-fluoro-1-((6-methoxy-4-phenylpyridin-3-yl)sulfonyl)-N-(3-(methylsulfonyl)allyl)piperidine-4-carboxamide;

(S,Z)-4-fluoro-1-((6-methoxy-4-phenylpyridin-3-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-4-fluoro-1-((6-methoxy-4-(o-tolyl)pyridin-3-yl)sulfonyl)-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(Z)-1-((4-(2-chlorophenyl)-6-methoxypyridin-3-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide;

(R)-1-((3R,4R)-1-(2-chloro-2,2-difluoroethyl)-4-(2-chlorophenyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(3,3,3-trifluoropropyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-1-(methylsulfonyl)pent-1-en-3-yl)azepane-4-carboxamide;

isopropyl (3S,4S)-3-(2-chlorophenyl)-4-(4-fluoro-4-(((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidine-1-carbonyl)pyrrolidine-1-carboxylate;

(S,Z)-1-((5-chloro-3-(3-methoxyphenyl)pyridin-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-methyl-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((2'-chloro-4,5-dimethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((5-chloro-3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-methyl-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((4-bromo-2-(3-chloropyridin-2-yl)phenyl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((2'-chloro-5-(2-oxopyrrolidin-1-yl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((4-(2-chlorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((4-(2-chlorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((4-(2-chloro-3-fluorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((4-(2-chloro-3-fluorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((4-(2-chloro-4-fluorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((4-(2-chloro-4-fluorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,E)-1-((4-(2-chlorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide;

(2R,4S)-1-((4-(2-chlorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(2R,4S)-1-((4-(2-chlorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(R,E)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(5-(3-fluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((6-chloro-4-(2-chloro-5-methoxyphenyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((5-bromo-3-(2-chlorophenyl)pyridin-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((2',5-dimethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-(2-hydroxyethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(2*S,4*S)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2-difluoropropyl)pyrrolidine-3-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(R)-1-((3*S,4*S)-4-(2-chloro-3-fluorophenyl)-1-(2,2-difluoropropyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-4-fluoro-1-((3*R,4*R)-4-(2-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)-1-((3*R,4*R)-4-(o-tolyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)azepane-4-carboxamide;

(2*S,4*S)-1-((3*S,4*S)-4-(2-chloro-3-fluorophenyl)-1-(2,2-difluoropropyl)pyrrolidine-3-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(R)-1-((3*S,4*S)-4-(2-chloro-3,6-difluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*S,4*S)-4-(2-chloro-4,6-difluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(E)-4-fluoro-1-((3'-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(3-((1-methylpiperidin-4-yl)sulfonyl)allyl)piperidine-4-carboxamide;

(R,E)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-cyanobut-3-en-2-yl)-4-fluoropiperidine-4-carboxamide;

(Z)-(1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidin-4-yl)(3-(2-(methylsulfonyl)vinyl)azetidin-1-yl)methanone;

(R,Z)-1-((6-chloro-4-(2-chlorophenyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(E)-1-((6-chloro-4-(2-chlorophenyl)pyridin-3-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide;

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((1,1-dioxido-2H-thiet-3-yl)methyl)-4-fluoropiperidine-4-carboxamide;

(*R)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(1-(1,1-dioxido-2H-thiet-3-yl)ethyl)-4-fluoropiperidine-4-carboxamide;

(R)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(1-(1,1-dioxido-2H-thiet-3-yl)ethyl)-4-fluoropiperidine-4-carboxamide;

(R)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(1-(1,1-dioxido-2H-thiet-3-yl)ethyl)-4-fluoropiperidine-4-carboxamide;

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(((*R)-1-methylpyrrolidin-3-yl)sulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(((*S)-1-methylpyrrolidin-3-yl)sulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(*S,Z)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(5,5,5-trifluoro-1-(methylsulfonyl)pent-1-en-3-yl)piperidine-4-carboxamide;

(*S,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(5,5,5-trifluoro-1-(methylsulfonyl)pent-1-en-3-yl)piperidine-4-carboxamide;

(R)-1-(5-bromo-2'-chloro-[1,1'-biphenyl]-2-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-(2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-(5-bromo-2'-chloro-[1,1'-biphenyl]-2-carbonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoroazepane-4-carboxamide;

(R)-1-(2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-carbonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoroazepane-4-carboxamide;

(4R)-1-(2'-chloro-6'-fluoro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-carbonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoroazepane-4-carboxamide;

(R,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-methoxy-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-methoxy-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(1-methoxy-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(E)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-2-methyl-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-(trifluoromethoxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-(difluoromethoxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-((RS)-1-hydroxyethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-(difluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-3-methyl-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

1-((1*S,2*S)-2-(2-chlorophenyl)-4,4-dimethylcyclohexane-1-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((3*R,4*S)-4-(2-chlorophenyl)-6,6-dimethyltetrahydro-2H-pyran-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

1-((6*R,7*R)-6-(2-chlorophenyl)spiro[3.5]nonane-7-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

tert-butyl 5-(2-chlorophenyl)-4-(4-fluoro-4-(((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidine-1-carbonyl)-3,4-dihydropyridine-1(2H)-carboxylate;

tert-butyl (3*R,4*S)-3-(2-chlorophenyl)-4-(4-fluoro-4-(((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)carbamoyl)piperidine-1-carbonyl)piperidine-1-carboxylate;

(S,Z)-1-((5-chloro-3'-(pyridin-3-ylmethoxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-((3-methoxybenzyl)oxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-(pentyloxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-cyclobutoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((3'-(but-2-yn-1-yloxy)-5-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-((2-chlorobenzyl)oxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-((3-chlorobenzyl)oxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-phenoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((3'-(benzyloxy)-5-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-(pyridin-2-ylmethoxy)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((6-chloro-4-(3-methoxyphenyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(S,Z)-1-((6-chloro-4-(2-chloro-5-methoxyphenyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(*R)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azocane-4-carboxamide;

(1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidin-4-yl)(3-((methylsulfonyl)methylene)azetidin-1-yl)methanone;

(R,Z)-1-((4-(2-chlorophenyl)-1-methyl-6-oxo-1,6-dihydropyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((5-(2-chlorophenyl)-1-methyl-2-oxo-1,2-dihydropyridin-4-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((4-(2-chlorophenyl)-6-hydroxypyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R,Z)-1-((6-bromo-4-(2-chlorophenyl)pyridin-3-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(E)-1-((6-bromo-4-(2-chlorophenyl)pyridin-3-yl)sulfonyl)-N-(3-cyanoallyl)-4-fluoropiperidine-4-carboxamide;

(S,Z)-1-((5-chloro-3'-(propylcarbamoyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-(4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(dimethylamino)-5-oxopent-3-yn-2-yl)-4-fluoropiperidine-4-carboxamide;

(S)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(dimethylamino)-5-oxopent-3-yn-2-yl)-4-fluoropiperidine-4-carboxamide;

(E)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoropiperidine-4-carboxamide;

(E)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoropiperidine-4-carboxamide;

(Z)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoropiperidine-4-carboxamide;

(Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoropiperidine-4-carboxamide;

(Z)-N-(4-(azetidin-1-yl)-4-oxobut-2-en-1-yl)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoropiperidine-4-carboxamide;

(S,Z)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-(5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoropiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((Z)-4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((4-(2-chlorophenyl)-6-(trifluoromethyl)pyridin-3-yl)sulfonyl)-N-((Z)-4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((Z)-4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((5-bromo-2'-chloro-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((Z)-4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-cyano-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((Z)-4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2*R,4*S)-1-((3*R,4*S)-4-(2-chlorophenyl)-6,6-dimethyltetrahydro-2H-pyran-3-carbonyl)-N-((Z)-4-(3,3-difluoroazetidin-1-yl)-4-oxobut-2-en-1-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(R)-1-(2'-chloro-5-methoxy-[1,1'-biphenyl]-2-carbonyl)-N-((R)-1,1-dioxido-2,3-dihydrothiophen-3-yl)-4-fluoroazepane-4-carboxamide;

(R)-1-(2'-chloro-5-methoxy-[1,1'-biphenyl]-2-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chloro-6-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,E)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chloro-6-fluorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((S,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-ethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-ethoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-(methoxy-d3)-[1,1'-biphenyl]-2-yl)sulfonyl)-N-((R,E)-5-(3,3-difluoroazetidin-1-yl)-5-oxopent-3-en-2-yl)-4-fluoro-2-methylpiperidine-4-carboxamide;

(2R,4S)-1-((2'-chloro-5-(methoxy-d3)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(2*S,4*S)-1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-4-fluoro-2-methyl-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R)-1-((3R,4R)-4-(2-chlorophenyl)-1-cyclopropylpyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-cyclopropylpyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R)-1-((3*R,4*R)-1-benzyl-4-(2-chlorophenyl)pyrrolidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((3*R,4*R)-3-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)piperidine-4-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

1-((3*S,4*S)-3-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)piperidine-4-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)piperidine-4-carboxamide;

(R)-1-((3*R,4*S)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)piperidine-3-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((*R)-2-(2-chlorophenyl)-4-(2,2,2-trifluoroethyl)piperazine-1-carbonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(S)-1-((2'-chloro-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(R)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

(S)-1-((2'-chloro-5-methoxy-[1,1'-biphenyl]-2-yl)sulfonyl)-4-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)azepane-4-carboxamide;

1-((3R,4R)-4-(2-chlorophenyl)-1-(2,2,2-trifluoroethyl)pyrrolidine-3-carbonyl)-3-fluoro-N-((R,Z)-4-(methylsulfonyl)but-3-en-2-yl)pyrrolidine-3-carboxamide; or

a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof.

17. A pharmaceutical composition comprising a compound of any one of claims 1-16, or a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof; and a pharmaceutically acceptable excipient or carrier.

18. Use of a therapeutically effective amount of a compound of any one of claims 1-16, or a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof, in the manufacture of a medicament for modulating RAS-PI3K in a subject in need thereof.
19. The use of claim 18, wherein the modulation comprises inhibition of RAS-PI3K.
20. The use of claim 18, wherein the modulation comprises activation of RAS-PI3K.
21. Use of a therapeutically effective amount of a compound any one of claims 1-16, or a pharmaceutically acceptable salt thereof, or a stereoisomer thereof, or a pharmaceutically acceptable salt of a stereoisomer thereof, or an atropisomer thereof, or a pharmaceutically acceptable salt of an atropisomer thereof, in the manufacture of a medicament for treating a disease or condition.
22. The use of claim 21 , wherein the disease is a cancer.
23. The use of claim 22, wherein the cancer is selected from the group consisting of bladder cancer, uterine cancer, head and neck cancer, esophageal cancer, ovarian cancer, liver cancer, lung cancer, colorectal cancer, cervical cancer, cholangiocarcinoma, gastric cancer, kidney cancer, and pancreatic cancer.
24. The use of claim 21, wherein the disease or condition is an immunological disorder.
25. The use of claim 24, wherein the medicament for treating a disease or condition is a medicament for a treatment to promote wound healing.