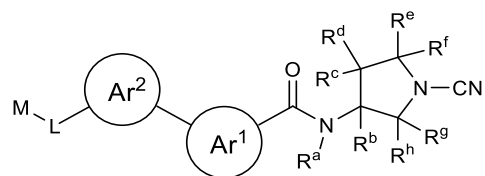


mitochondria, where it participates in the maintenance of mitochondrial morphology. It is believed that over-expression of USP30 can lead to a decrease in mitophagy.

[0005] Inactivating mutations in PINK1 and Parkin can impair mitophagy and result in accumulation of damaged mitochondria and neuronal toxicity, which has been implicated in Parkinson's Disease. USP30 opposes the ligase activity of Parkin and is a negative regulator of mitophagy. USP30 inhibition is expected to promote mitophagy and restore mitochondrial health.

SUMMARY

[0005a] In a first aspect, the present disclosure refers to a compound of formula (I):



(I);

or a pharmaceutically acceptable salt thereof, wherein

$R^a, R^b, R^c, R^d, R^e, R^f, R^g,$ and R^h are defined as follows:

- (i) R^a and R^b form a C_1 - C_4 alkylene group between the atoms to which they are attached, wherein said C_1 - C_4 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and $R^c, R^d, R^e, R^f, R^g,$ and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or
- (ii) R^a and R^e form a C_1 - C_2 alkylene group between the atoms to which they are attached, wherein said C_1 - C_2 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and $R^b, R^c, R^d, R^f, R^g,$ and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or
- (iii) R^a and R^g form a C_1 - C_3 alkylene group between the atoms to which they are attached, wherein said C_1 - C_3 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and $R^b, R^c, R^d, R^e, R^f,$ and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or

- (iv) R^b and R^c form a C₁-C₄ alkylene group between the atoms to which they are attached, wherein said C₁-C₄ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^d, R^e, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (v) R^b and R^e form a C₁-C₃ alkylene group between the atoms to which they are attached, wherein said C₁-C₃ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^c, R^d, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (vi) R^b and R^g form a C₁-C₄ alkylene group between the atoms to which they are attached, wherein said C₁-C₄ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^c, R^d, R^e, R^f, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (vii) R^c and R^d together with the atom to which they are attached, form a 3-6 membered cycloalkyl or heterocycloalkyl, wherein said 3-6 membered cycloalkyl or heterocycloalkyl is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^e, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (viii) R^c and R^d together form =O; and R^a, R^b, R^e, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (ix) R^c and R^e form a C₁-C₄ alkylene group between the atoms to which they are attached, wherein said C₁-C₄ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^d, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (x) R^c and R^g form a C₁-C₃ alkylene group between the atoms to which they are attached, wherein said C₁-C₃ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^d, R^e, R^f, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (xi) R^e and R^f together with the atom to which they are attached, form a 3-6 membered cycloalkyl or heterocycloalkyl, wherein said 3-6 membered cycloalkyl or

heterocycloalkyl is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^c, R^d, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xii) R^e and R^f together form =O; and R^a, R^b, R^c, R^d, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xiii) R^e and R^g form a C₁-C₃ alkylene group between the atoms to which they are attached, wherein said C₁-C₃ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^c, R^d, R^f, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xiv) R^g and R^h together with the atom to which they are attached, form a 3-6 membered cycloalkyl or heterocycloalkyl, wherein said 3-6 membered cycloalkyl or heterocycloalkyl is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^c, R^d, R^e, and R^f are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xv) R^g and R^h together form =O; and R^a, R^b, R^c, R^d, R^e, and R^f are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; and

Ar¹ is phenylene or 5-6 membered heteroarylene, wherein said phenylene or heteroarylene is substituted with *m* R¹ groups; and

Ar² is phenylene or 5-10 membered heteroarylene, wherein said phenylene or heteroarylene is substituted with *n* R² groups;

L is -O-, -S-, -NR³-, -C(R⁴)₂-, -S(O)₂-, or -S(O)-;

M is 3-6 membered cycloalkyl, phenyl, or 5-6 membered heteroaryl, wherein said cycloalkyl, phenyl, or heteroaryl is substituted with *p* R⁵ groups;

each occurrence of R¹, R², and R⁵ is independently halo, cyano, NO₂, oxo, hydroxyl, -R⁶, -OR⁶, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ hydroxyalkyl, -C₁-C₆ alkylene-R⁶, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, -C₀-C₃ alkylene-NR⁶R⁷, -C₀-C₃ alkylene-NR⁷R⁸, -C₀-C₃ alkylene-C(O)NR⁶R⁷, -C₀-C₃ alkylene-C(O)NR⁷R⁸, -C₀-C₃ alkylene-NR⁷C(O)R⁶, -C₀-C₃ alkylene-NR⁷C(O)R⁸, -C₀-C₃ alkylene-NR⁷S(O)₂R⁶, -C₀-C₃ alkylene-C(O)R⁶, -C₀-C₃ alkylene-C(O)R⁷, -C₀-C₃ alkylene-SR⁶, -C₀-C₃ alkylene-S(O)R⁶, -C₀-C₃ alkylene-S(O)₂R⁶, -C₀-C₃ alkylene-S(O)₂R⁷, -C₀-C₃

alkylene-S(O)₂NR⁶R⁷, -C₀-C₃ alkylene-S(O)₂NR⁷R⁸, -C₀-C₃ alkylene-NR⁷C(O)NR⁸R⁹, -C₀-C₃ alkylene-NR⁷S(O)₂NR⁸R⁹, -C₀-C₃ alkylene-C(O)OR⁷, -C₀-C₃ alkylene-C(O)OR⁶, -C₀-C₃ alkylene-OC(O)R⁷, -C₀-C₃ alkylene-OC(O)R⁶, -C₀-C₃ alkylene-NR⁷C(O)OR⁸, or -C₀-C₃ alkylene-NR⁷S(O)₂R⁸;

R³ is H, C₁-C₆ alkyl, or C₁-C₆ haloalkyl;

each R⁴ is independently H, C₁-C₆ alkyl, or C₁-C₆ haloalkyl, or two R⁴ groups together with the carbon atom to which they are attached form a 3-6 membered cycloalkyl or heterocycloalkyl;

each R⁶ is 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, or 3-8 membered cycloalkyl, wherein said heteroaryl, heterocycloalkyl, aryl, or cycloalkyl is optionally substituted with 1-5 substituents independently selected from the group consisting of halo, oxo, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ hydroxyalkyl, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, C₂-C₆ alkenyl, C₂-C₆ alkynyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, 3-8 membered cycloalkyl, -NR¹⁰C(O)NR¹¹R¹², -NR¹⁰R¹¹, -C(O)R¹⁰, -NR¹⁰C(O)R¹¹, -NR¹⁰C(O)OR¹¹, -S(O)₂R¹⁰, -C(O)NR¹⁰R¹¹, -C(O)OR¹⁰, -S(O)₂NR¹⁰R¹¹, -NR¹⁰S(O)₂R¹¹, -OR¹⁰, -OC(O)R¹⁰, -OS(O)₂R¹⁰, -OC(O)NR¹⁰R¹¹, -OC(O)OR¹⁰, -OS(O)₂NR¹⁰R¹¹, -C(O)NR¹⁰C(O)NR¹¹R¹², -C(O)C(O)R¹⁰, -C(O)NR¹⁰C(O)R¹¹, -C(O)NR¹⁰C(O)OR¹¹, -C(O)S(O)₂R¹⁰, -C(O)C(O)NR¹⁰R¹¹, -C(O)C(O)OR¹⁰, -C(O)S(O)₂NR¹⁰R¹¹, -C(O)NR¹⁰S(O)₂R¹¹, -C₁-C₆ alkylene-R¹⁰, -C₁-C₆ alkylene-NR¹⁰C(O)NR¹¹R¹², -C₁-C₆ alkylene-NR¹⁰R¹¹, -C₁-C₆ alkylene-C(O)R¹⁰, -C₁-C₆ alkylene-NR¹⁰C(O)R¹¹, -C₁-C₆ alkylene-NR¹⁰C(O)OR¹¹, -C₁-C₆ alkylene-S(O)₂R¹⁰, -C₁-C₆ alkylene-C(O)NR¹⁰R¹¹, -C₁-C₆ alkylene-C(O)OR¹⁰, -C₁-C₆ alkylene-S(O)₂NR¹⁰R¹¹, -C₁-C₆ alkylene-NR¹⁰S(O)₂R¹¹, -C₁-C₆ alkenylene-R¹⁰, -C₁-C₆ alkenylene-NR¹⁰C(O)NR¹¹R¹², -C₁-C₆ alkenylene-NR¹⁰R¹¹, -C₁-C₆ alkenylene-C(O)R¹⁰, -C₁-C₆ alkenylene-NR¹⁰C(O)R¹¹, -C₁-C₆ alkenylene-NR¹⁰C(O)OR¹¹, -C₁-C₆ alkenylene-S(O)₂R¹⁰, -C₁-C₆ alkenylene-C(O)NR¹⁰R¹¹, -C₁-C₆ alkenylene-C(O)OR¹⁰, -C₁-C₆ alkenylene-S(O)₂NR¹⁰R¹¹, and -C₁-C₆ alkenylene-NR¹⁰S(O)₂R¹¹;

each R⁷, R⁸, and R⁹ is independently hydrogen or C₁-C₆ alkyl;

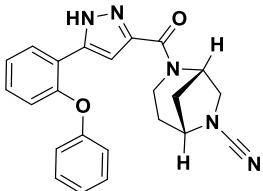
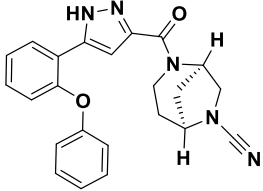
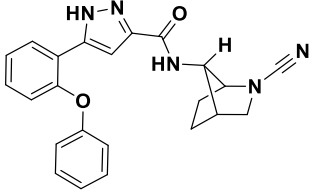
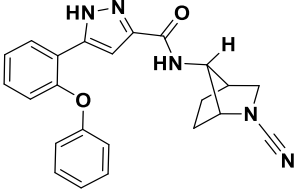
each R¹⁰, R¹¹, and R¹² is independently hydrogen, C₁-C₆ alkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, or 3-8 membered cycloalkyl;

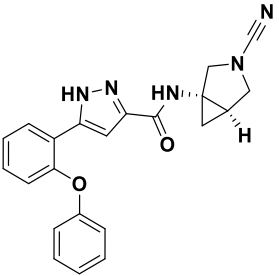
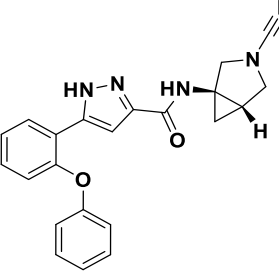
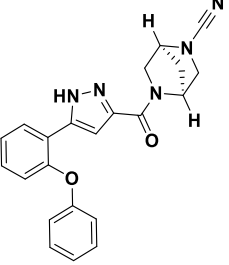
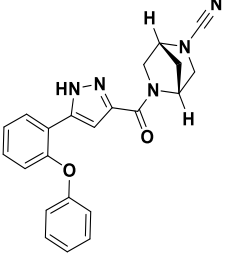
m is 0-4;

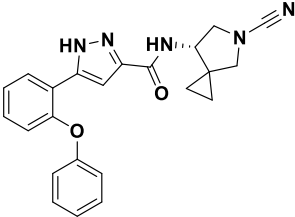
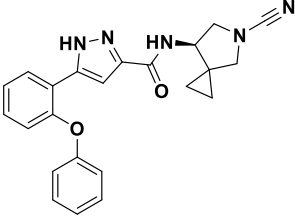
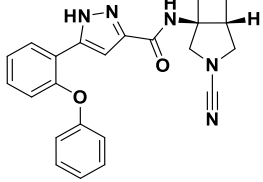
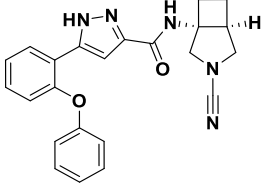
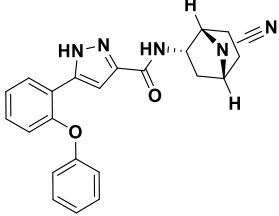
n is 0-4; and

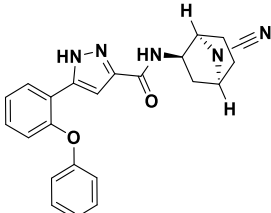
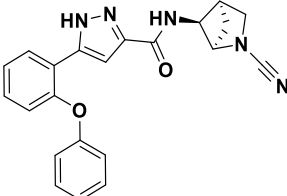
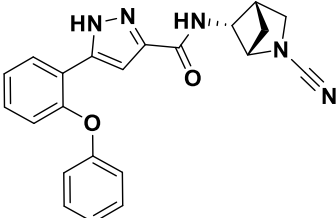
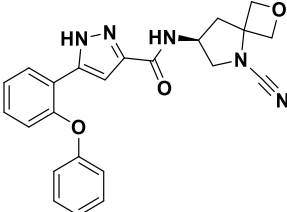
p is 0-4.

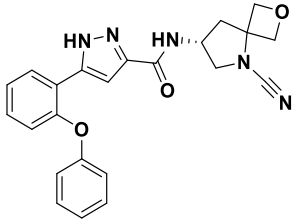
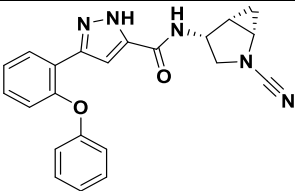
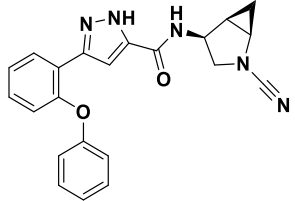
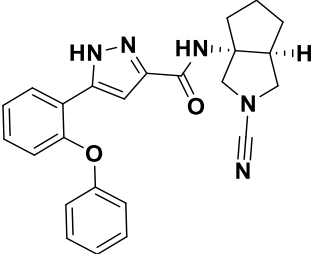
[0005b] In another aspect, the present disclosure refers to a compound, or pharmaceutically acceptable salt thereof, wherein the compound is selected from:

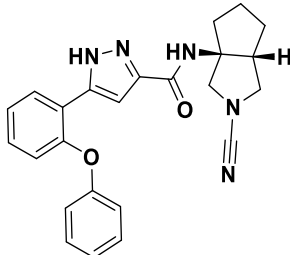
Compound Number	Compound Structure and Chemical Name
1-a	 (1S,5R)-2-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,6-diazabicyclo[3.2.1]octane-6-carbonitrile
1-b	 (1R,5S)-2-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,6-diazabicyclo[3.2.1]octane-6-carbonitrile
2-a	 N-((1S,4S,7S)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
2-b	 N-((1R,4R,7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

Compound Number	Compound Structure and Chemical Name
3-a	 N-((1S, 5R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
3-b	 N-((1R, 5S)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
4-a	 (1S,4S)-5-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,5-diazabicyclo[2.2.1]heptane-2-carbonitrile
4-b	 (1R,4R)-5-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,5-diazabicyclo[2.2.1]heptane-2-carbonitrile

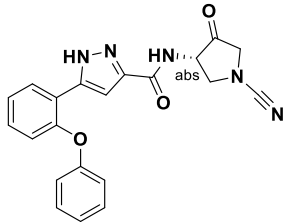
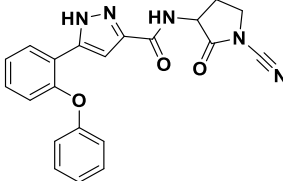
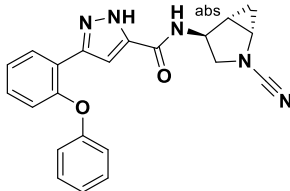
Compound Number	Compound Structure and Chemical Name
5-a	 (S)-N-(5-cyano-5-azaspiro[2.4]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
5-b	 (R)-N-(5-cyano-5-azaspiro[2.4]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
6-a	 N-((1R,5S)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
6-b	 N-((1S,5R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
7-a	 N-((1S,2S,4R)-7-cyano-7-azabicyclo[2.2.1]heptan-2-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

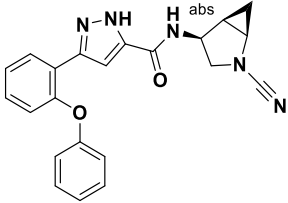
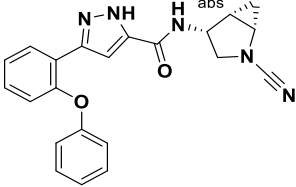
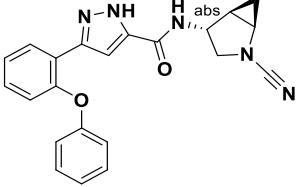
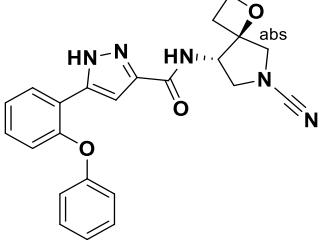
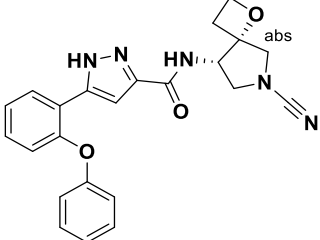
Compound Number	Compound Structure and Chemical Name
7-b	 N-((1R,2R,4S)-7-cyano-7-azabicyclo[2.2.1]heptan-2-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
8-a	 N-[(1R,4R,5S)-2-cyano-2-azabicyclo[2.1.1]hexan-5-yl]-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
8-b	 N-((1S,4S,5R)-2-cyano-2-azabicyclo[2.1.1]hexan-5-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
9-a	 (S)-N-(5-cyano-2-oxa-5-azaspiro[3.4]octan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

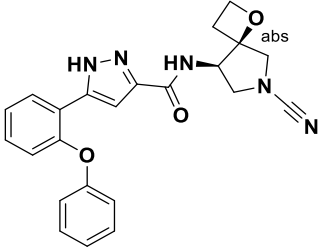
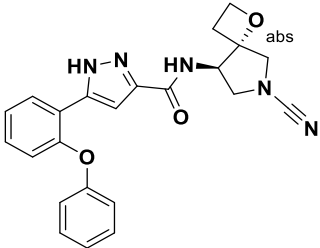
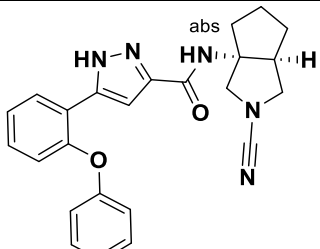
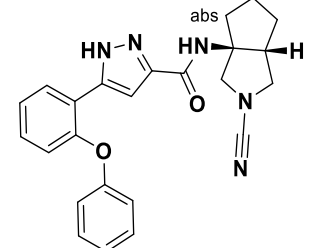
Compound Number	Compound Structure and Chemical Name
9-b	 (R)-N-(5-cyano-2-oxa-5-azaspiro[3.4]octan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
13-a	 N-((1S,4R,5S)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
13-b	 N-((1R,4S,5R)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
20-a	 N-((3aR,6aS)-2-cyano-2-hexahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

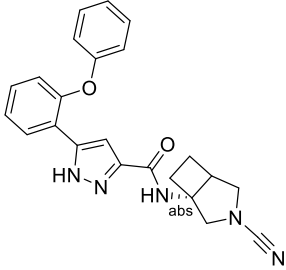
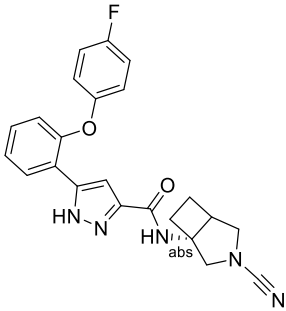
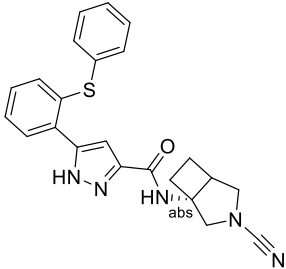
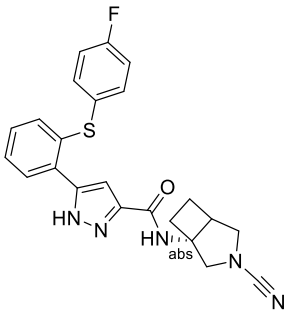
Compound Number	Compound Structure and Chemical Name
20-b	 N-((3aS,6aR)-2-cyano-2,3,4,5,6,6a-hexahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

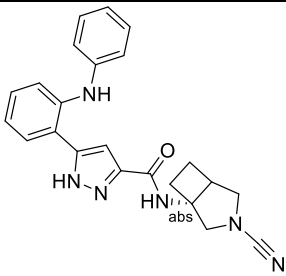
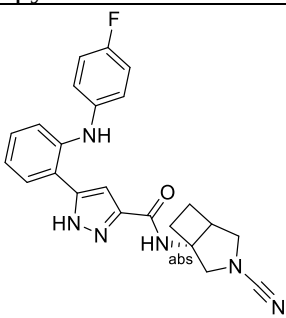
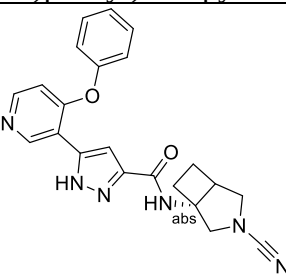
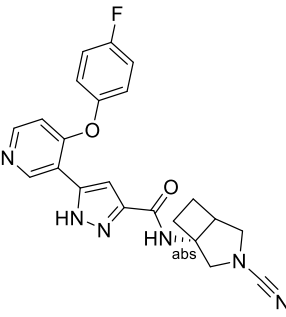
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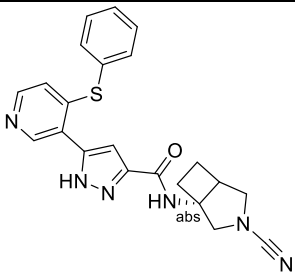
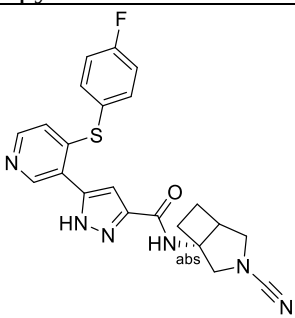
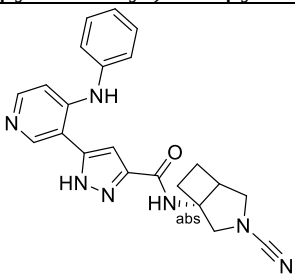
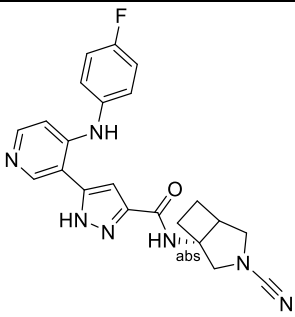
Compound Number	Compound Structure and Chemical Name
10	 (S)-N-(1-cyano-4-oxopyrrolidin-3-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
11	 N-(1-cyano-2-oxopyrrolidin-3-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
12	 N-((1S,4S,5S)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide

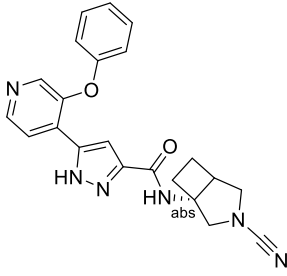
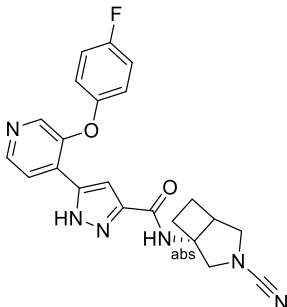
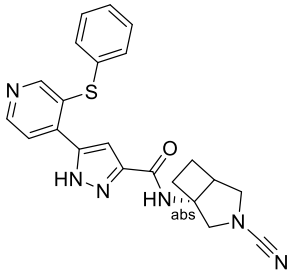
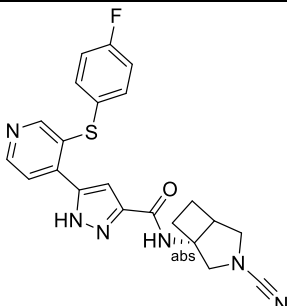
Compound Number	Compound Structure and Chemical Name
13	 N-((1R,4S,5R)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
14	 N-((1S,4R,5S)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
15	 N-((1R,4R,5R)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
16	 N-((4S,8S)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
17	 N-((4R,8S)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

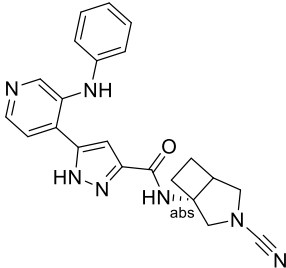
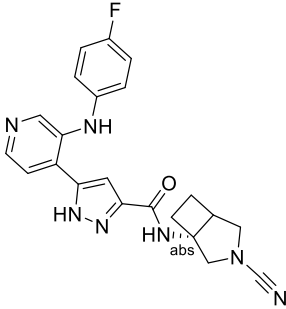
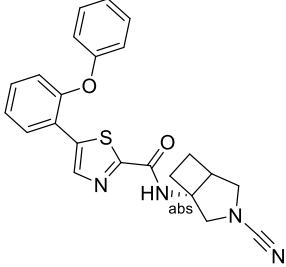
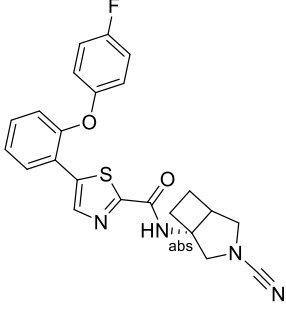
Compound Number	Compound Structure and Chemical Name
18	 N-((4S,8R)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
19	 N-((4R,8R)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
20	 N-((3aR,6aS)-2-cyano-2,3,4,5,6,7-hexahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
21	 N-((3aS,6aR)-2-cyano-2,3,4,5,6,7-hexahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

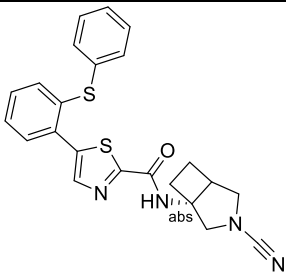
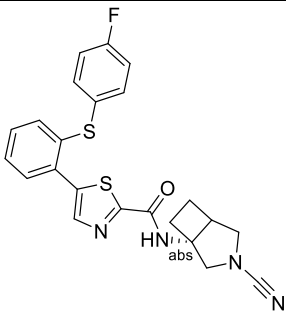
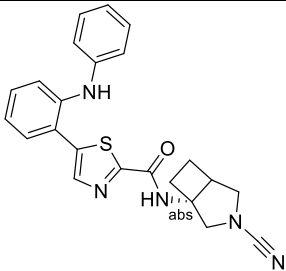
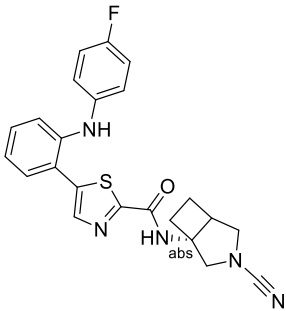
Compound Number	Compound Structure and Chemical Name
22	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
23	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)-1H-pyrazole-3-carboxamide
24	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylthio)phenyl)-1H-pyrazole-3-carboxamide
25	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)-1H-pyrazole-3-carboxamide

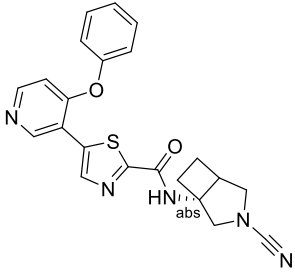
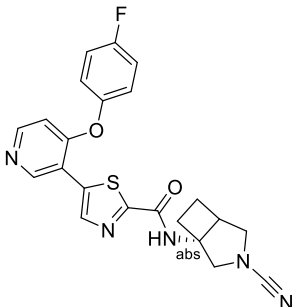
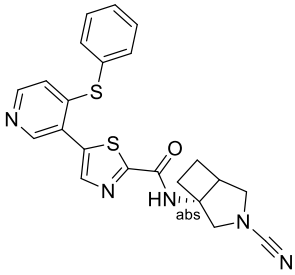
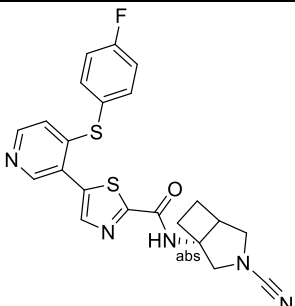
Compound Number	Compound Structure and Chemical Name
26	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylamino)phenyl)-1H-pyrazole-3-carboxamide
27	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)-1H-pyrazole-3-carboxamide
28	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-phenoxy pyridin-3-yl)-1H-pyrazole-3-carboxamide
29	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide

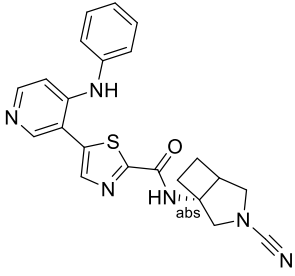
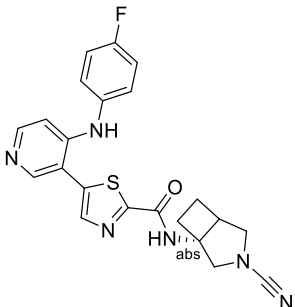
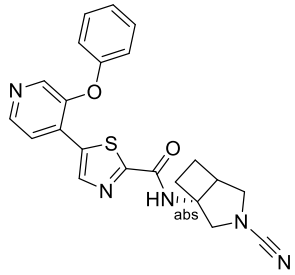
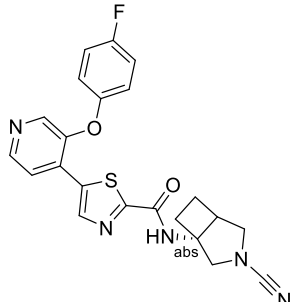
Compound Number	Compound Structure and Chemical Name
30	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylthio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
31	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
32	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
33	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)-1H-pyrazole-3-carboxamide

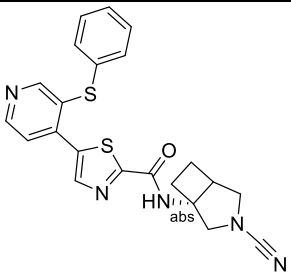
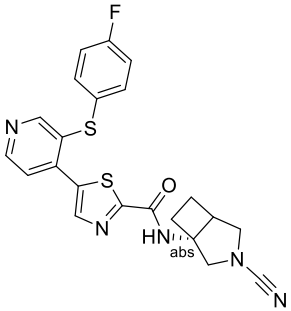
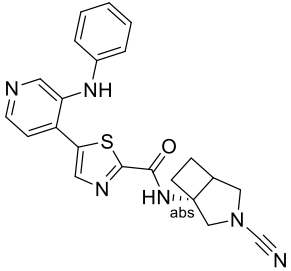
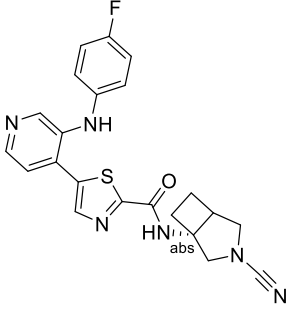
Compound Number	Compound Structure and Chemical Name
34	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-phenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
35	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
36	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
37	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)-1H-pyrazole-3-carboxamide

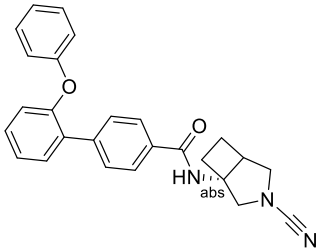
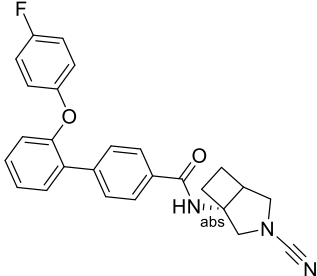
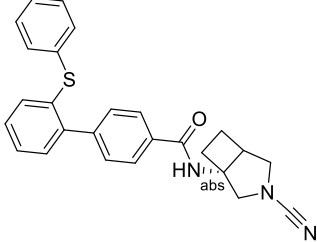
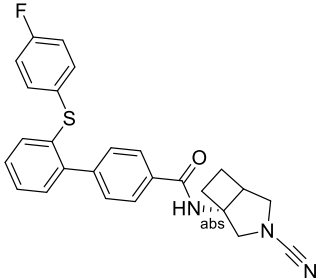
Compound Number	Compound Structure and Chemical Name
38	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
39	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
40	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)thiazole-2-carboxamide
41	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)thiazole-2-carboxamide

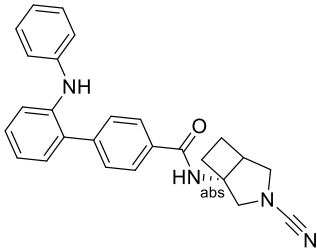
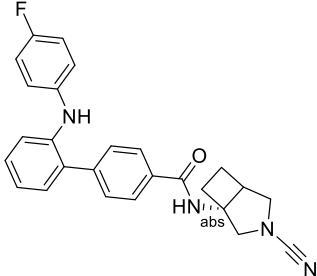
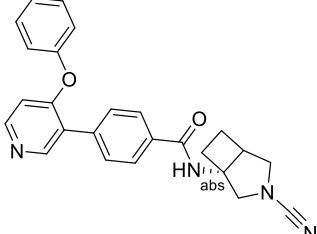
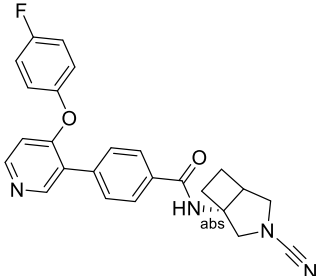
Compound Number	Compound Structure and Chemical Name
42	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylthio)phenyl)thiazole-2-carboxamide
43	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)thiazole-2-carboxamide
44	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylamino)phenyl)thiazole-2-carboxamide
45	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)thiazole-2-carboxamide

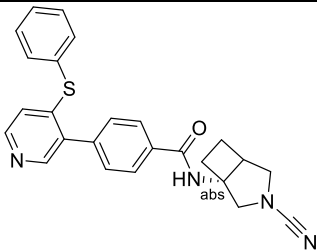
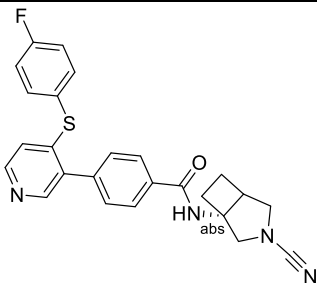
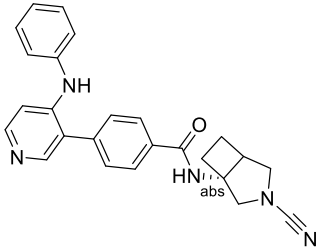
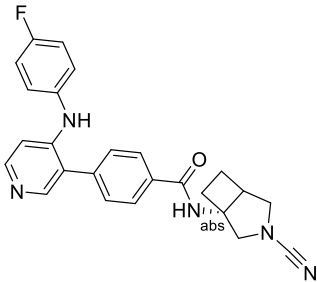
Compound Number	Compound Structure and Chemical Name
46	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-phenoxy)pyridin-3-ylthiazole-2-carboxamide
47	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(4-fluorophenoxy))pyridin-3-ylthiazole-2-carboxamide
48	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylthio))pyridin-3-ylthiazole-2-carboxamide
49	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)thio))pyridin-3-ylthiazole-2-carboxamide

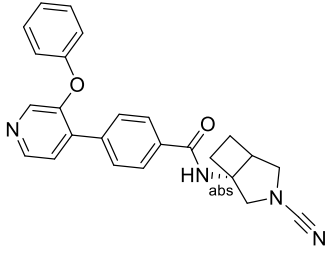
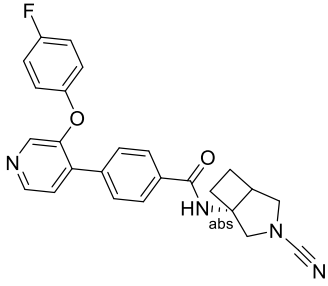
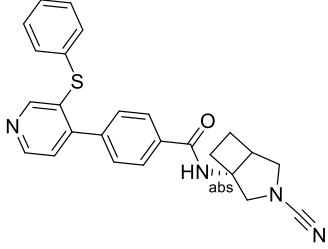
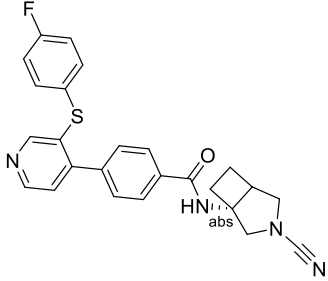
Compound Number	Compound Structure and Chemical Name
50	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)thiazole-2-carboxamide
51	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)thiazole-2-carboxamide
52	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-phenoxy)pyridin-4-yl)thiazole-2-carboxamide
53	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)thiazole-2-carboxamide

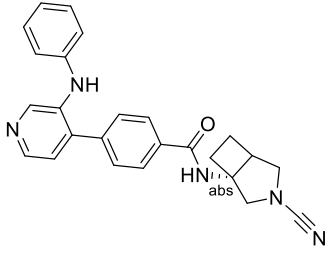
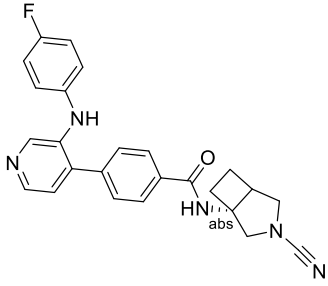
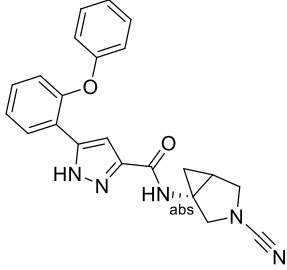
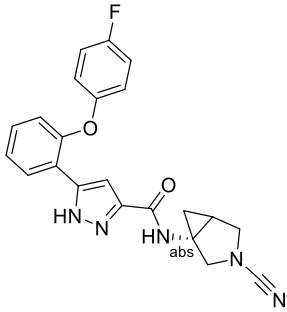
Compound Number	Compound Structure and Chemical Name
54	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)thiazole-2-carboxamide
55	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)thiazole-2-carboxamide
56	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)thiazole-2-carboxamide
57	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)thiazole-2-carboxamide

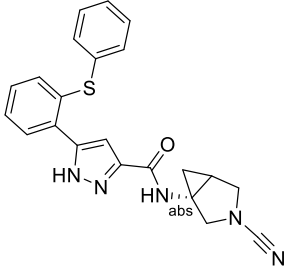
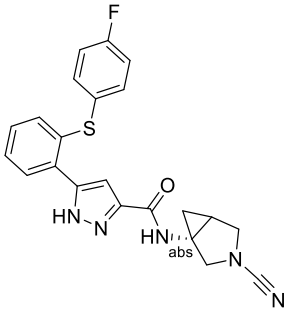
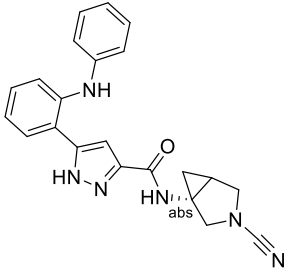
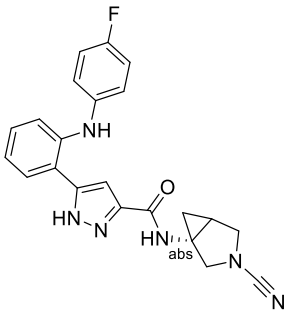
Compound Number	Compound Structure and Chemical Name
58	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-phenoxy-[1,1'-biphenyl]-4-carboxamide
59	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-(4-fluorophenoxy)-[1,1'-biphenyl]-4-carboxamide
60	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-(phenylthio)-[1,1'-biphenyl]-4-carboxamide
61	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-((4-fluorophenyl)thio)-[1,1'-biphenyl]-4-carboxamide

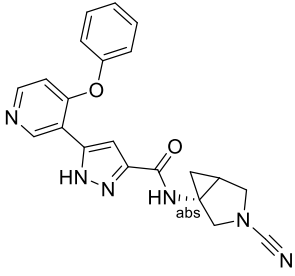
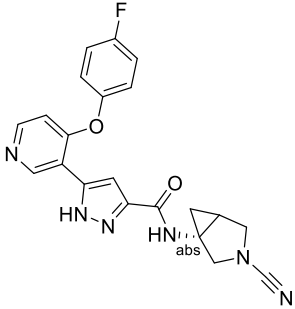
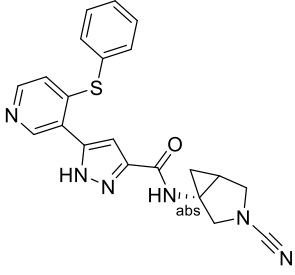
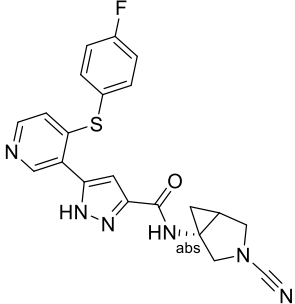
Compound Number	Compound Structure and Chemical Name
62	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-(phenylamino)-[1,1'-biphenyl]-4-carboxamide
63	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-((4-fluorophenyl)amino)-[1,1'-biphenyl]-4-carboxamide
64	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-phenoxy pyridin-3-yl)benzamide
65	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-(4-fluorophenoxy)pyridin-3-yl)benzamide

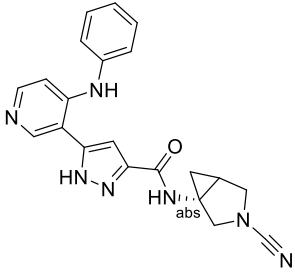
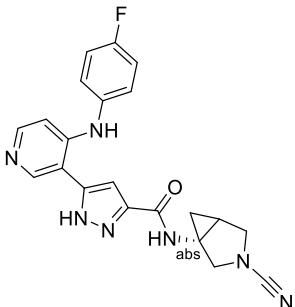
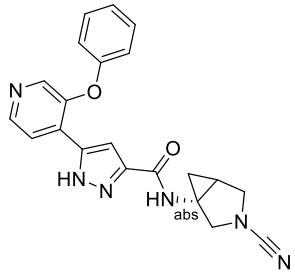
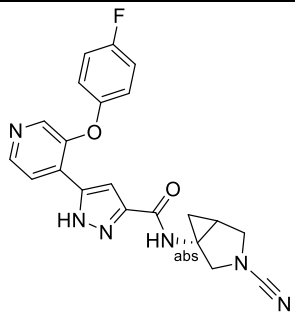
Compound Number	Compound Structure and Chemical Name
66	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-(phenylthio)pyridin-3-yl)benzamide
67	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-((4-fluorophenyl)thio)pyridin-3-yl)benzamide
68	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-(phenylamino)pyridin-3-yl)benzamide
69	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-((4-fluorophenyl)amino)pyridin-3-yl)benzamide

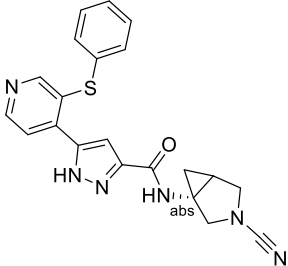
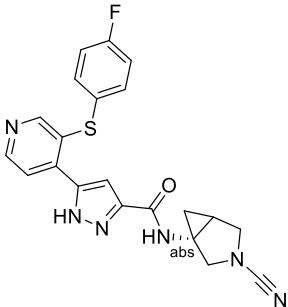
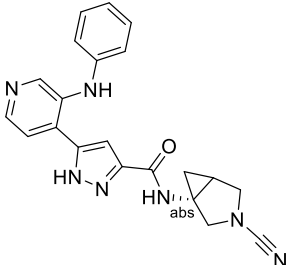
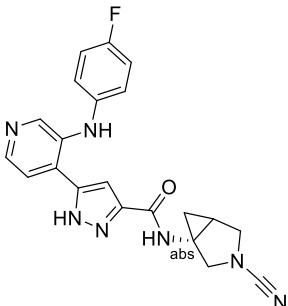
Compound Number	Compound Structure and Chemical Name
70	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-phenoxy)pyridin-4-yl)benzamide
71	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-(4-fluorophenoxy)pyridin-4-yl)benzamide
72	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-(phenylthio)pyridin-4-yl)benzamide
73	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-((4-fluorophenyl)thio)pyridin-4-yl)benzamide

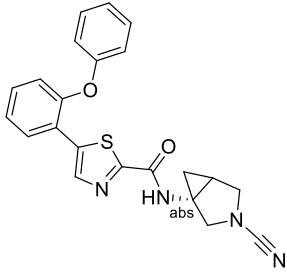
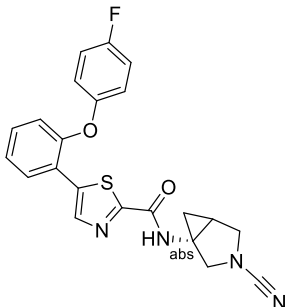
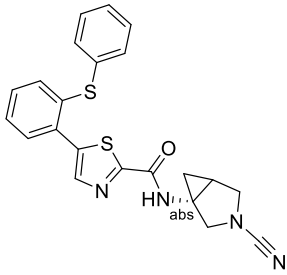
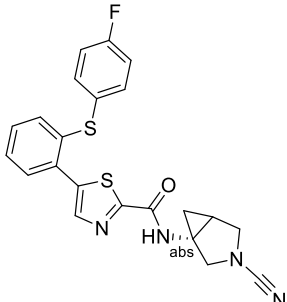
Compound Number	Compound Structure and Chemical Name
74	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-(phenylamino)pyridin-4-yl)benzamide
75	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-((4-fluorophenyl)amino)pyridin-4-yl)benzamide
76	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
77	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)-1H-pyrazole-3-carboxamide

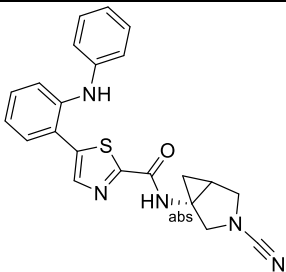
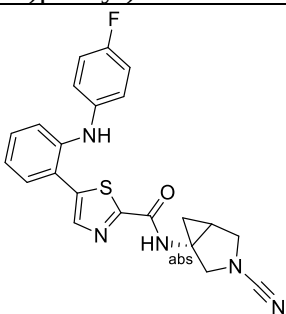
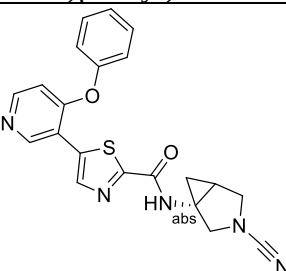
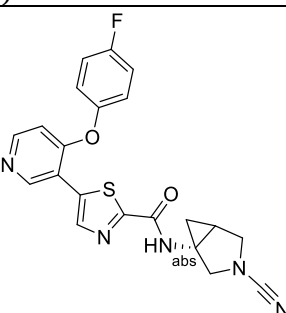
Compound Number	Compound Structure and Chemical Name
78	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylthio)phenyl)-1H-pyrazole-3-carboxamide
79	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)-1H-pyrazole-3-carboxamide
80	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylamino)phenyl)-1H-pyrazole-3-carboxamide
81	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)-1H-pyrazole-3-carboxamide

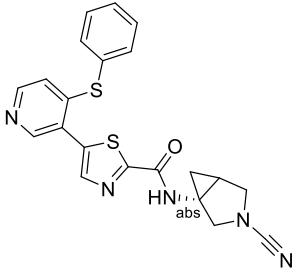
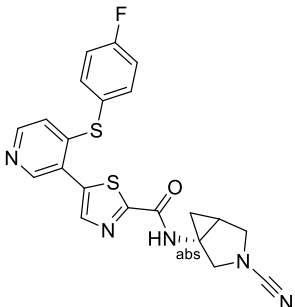
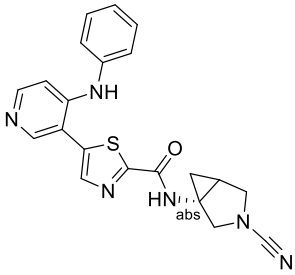
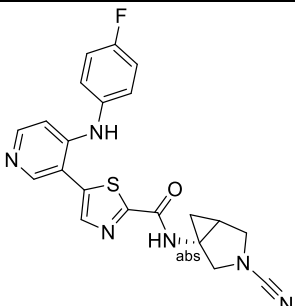
Compound Number	Compound Structure and Chemical Name
82	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-phenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide
83	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(4-fluorophenoxy))pyridin-3-yl)-1H-pyrazole-3-carboxamide
84	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylthio))pyridin-3-yl)-1H-pyrazole-3-carboxamide
85	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)thio))pyridin-3-yl)-1H-pyrazole-3-carboxamide

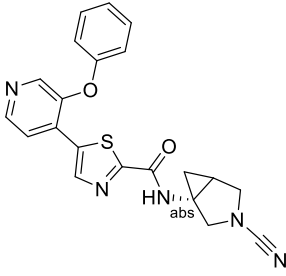
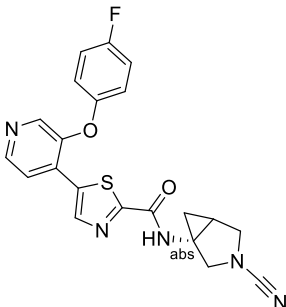
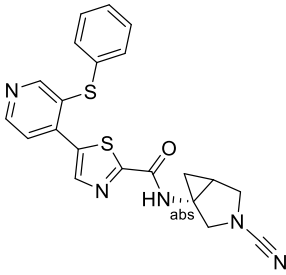
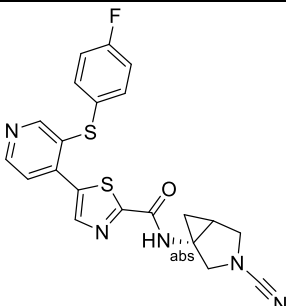
Compound Number	Compound Structure and Chemical Name
86	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
87	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
88	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-phenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
89	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide

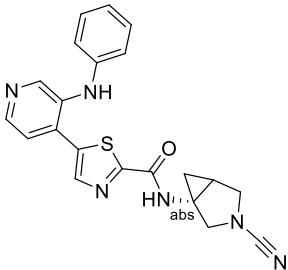
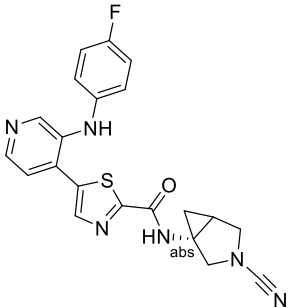
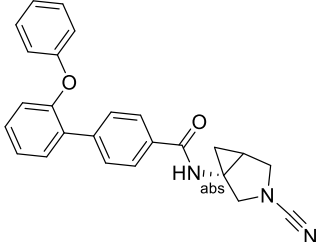
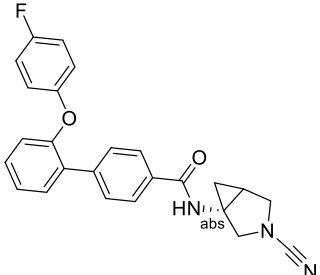
Compound Number	Compound Structure and Chemical Name
90	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
91	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
92	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
93	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)-1H-pyrazole-3-carboxamide

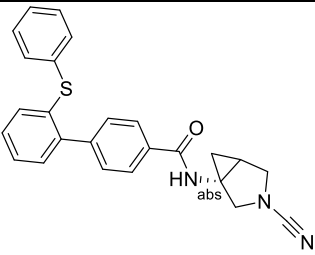
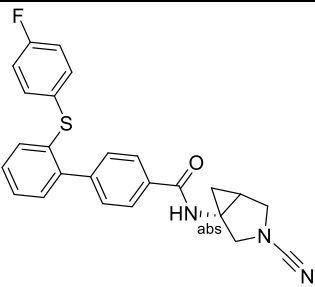
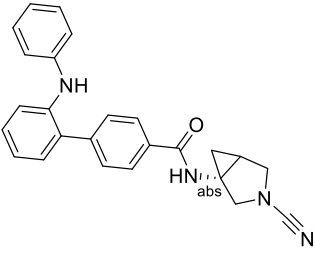
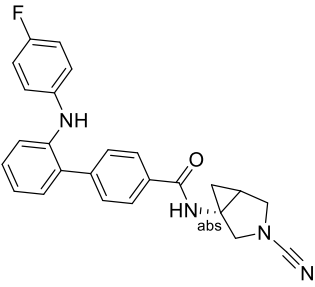
Compound Number	Compound Structure and Chemical Name
94	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)thiazole-2-carboxamide
95	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)thiazole-2-carboxamide
96	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylthio)phenyl)thiazole-2-carboxamide
97	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)thiazole-2-carboxamide

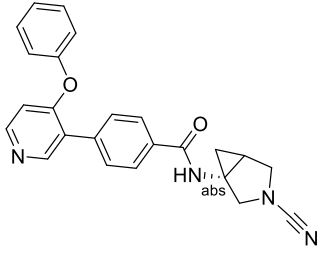
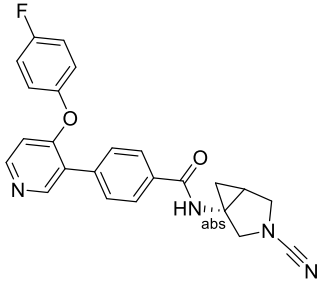
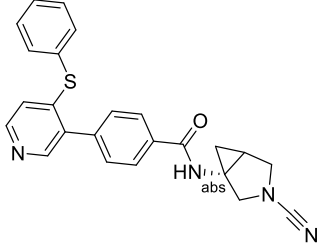
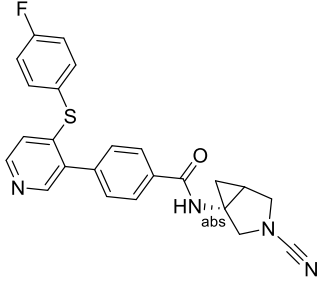
Compound Number	Compound Structure and Chemical Name
98	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylamino)phenyl)thiazole-2-carboxamide
99	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)thiazole-2-carboxamide
100	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-phenoxy)pyridin-3-ylthiazole-2-carboxamide
101	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)thiazole-2-carboxamide

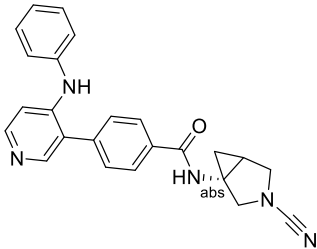
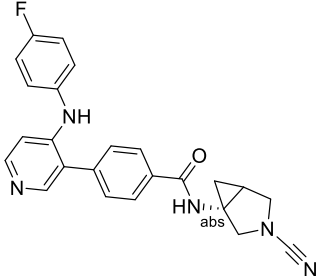
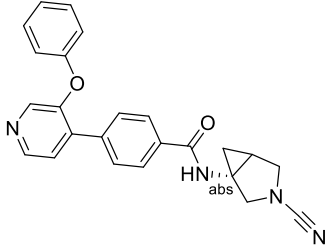
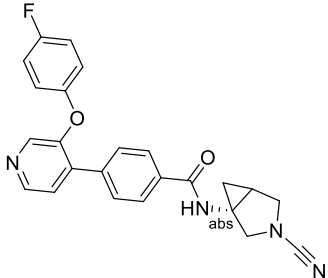
Compound Number	Compound Structure and Chemical Name
102	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylthio)pyridin-3-yl)thiazole-2-carboxamide
103	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)thiazole-2-carboxamide
104	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)thiazole-2-carboxamide
105	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)thiazole-2-carboxamide

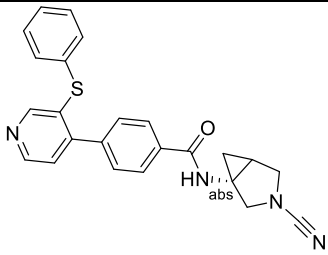
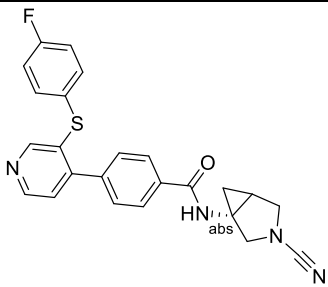
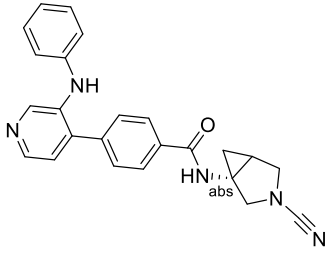
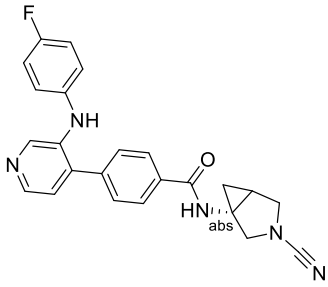
Compound Number	Compound Structure and Chemical Name
106	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-phenoxy pyridin-4-yl)thiazole-2-carboxamide
107	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)thiazole-2-carboxamide
108	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)thiazole-2-carboxamide
109	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)thiazole-2-carboxamide

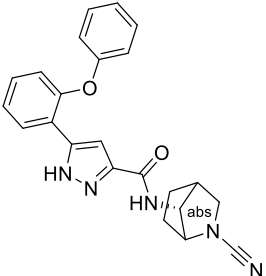
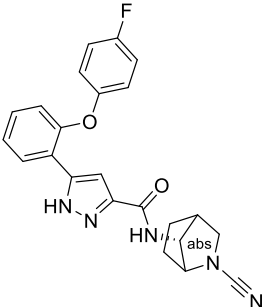
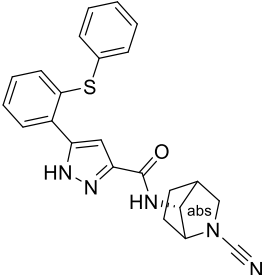
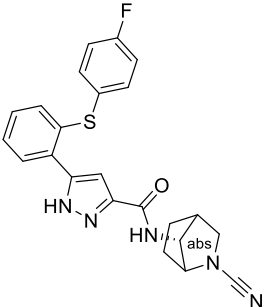
Compound Number	Compound Structure and Chemical Name
110	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)thiazole-2-carboxamide
111	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)thiazole-2-carboxamide
112	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-phenoxy-[1,1'-biphenyl]-4-carboxamide
113	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-(4-fluorophenoxy)-[1,1'-biphenyl]-4-carboxamide

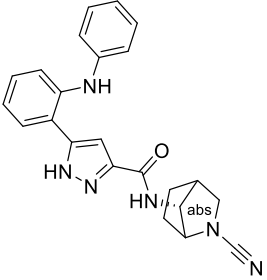
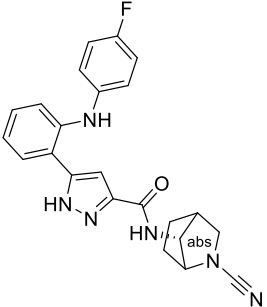
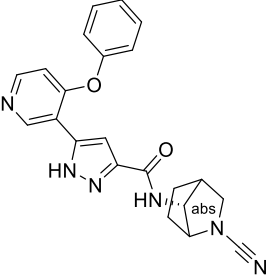
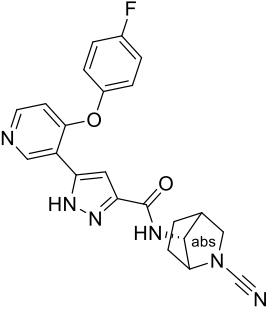
Compound Number	Compound Structure and Chemical Name
114	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-(phenylthio)-[1,1'-biphenyl]-4-carboxamide
115	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-((4-fluorophenyl)thio)-[1,1'-biphenyl]-4-carboxamide
116	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-(phenylamino)-[1,1'-biphenyl]-4-carboxamide
117	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-((4-fluorophenyl)amino)-[1,1'-biphenyl]-4-carboxamide

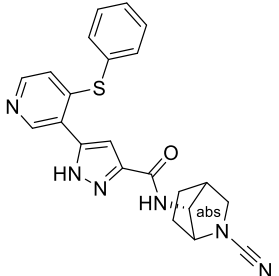
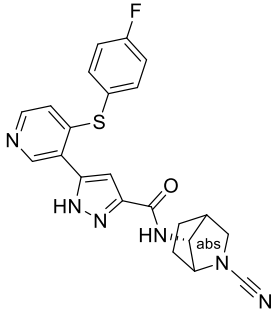
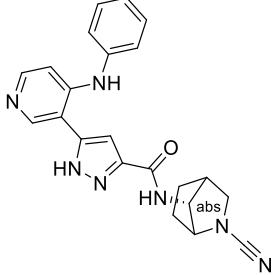
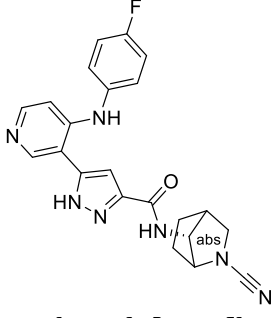
Compound Number	Compound Structure and Chemical Name
118	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-phenoxy)pyridin-3-yl)benzamide
119	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-(4-fluorophenoxy)pyridin-3-yl)benzamide
120	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-(phenylthio)pyridin-3-yl)benzamide
121	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-((4-fluorophenyl)thio)pyridin-3-yl)benzamide

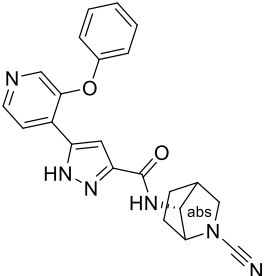
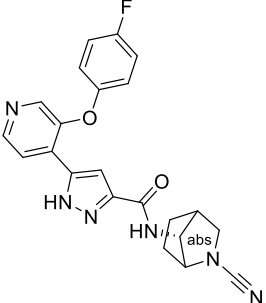
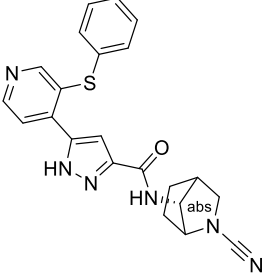
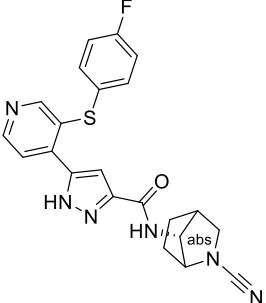
Compound Number	Compound Structure and Chemical Name
122	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-(phenylamino)pyridin-3-yl)benzamide
123	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-((4-fluorophenyl)amino)pyridin-3-yl)benzamide
124	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-phenoxy)pyridin-4-yl)benzamide
125	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-(4-fluorophenoxy)pyridin-4-yl)benzamide

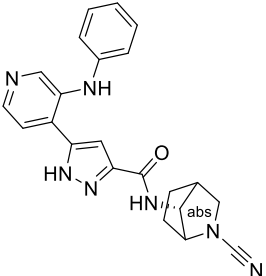
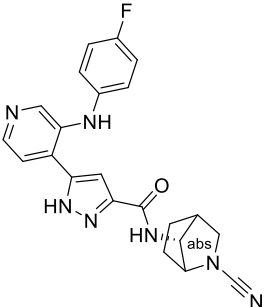
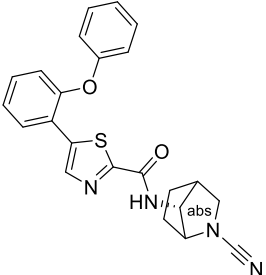
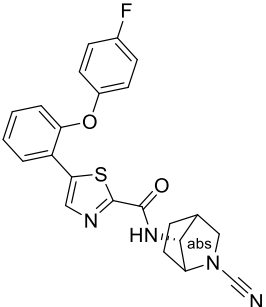
Compound Number	Compound Structure and Chemical Name
126	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-(phenylthio)pyridin-4-yl)benzamide
127	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-((4-fluorophenyl)thio)pyridin-4-yl)benzamide
128	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-(phenylamino)pyridin-4-yl)benzamide
129	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-((4-fluorophenyl)amino)pyridin-4-yl)benzamide

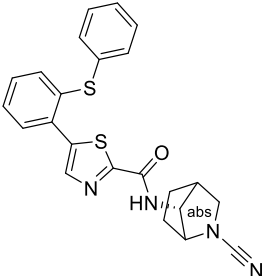
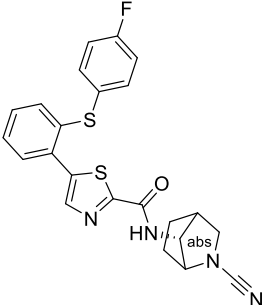
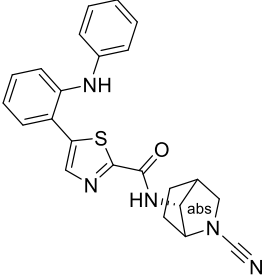
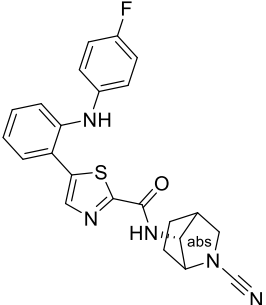
Compound Number	Compound Structure and Chemical Name
130	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
131	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(4-fluorophenoxy)phenyl)-1H-pyrazole-3-carboxamide
132	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylthio)phenyl)-1H-pyrazole-3-carboxamide
133	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)thio)phenyl)-1H-pyrazole-3-carboxamide

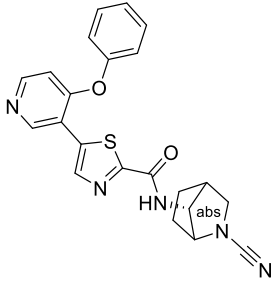
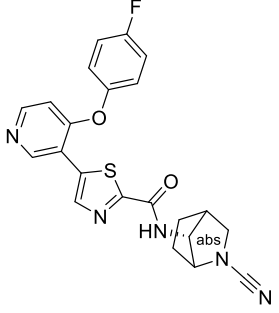
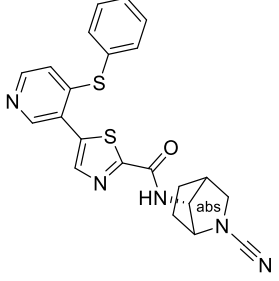
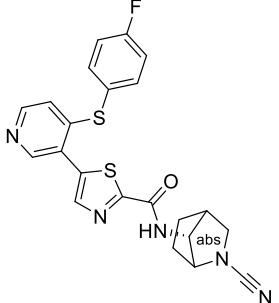
Compound Number	Compound Structure and Chemical Name
134	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylamino)phenyl)-1H-pyrazole-3-carboxamide
135	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)amino)phenyl)-1H-pyrazole-3-carboxamide
136	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-phenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide
137	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide

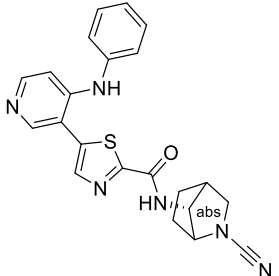
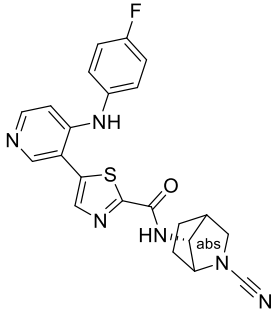
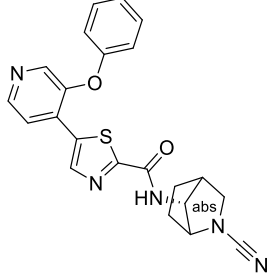
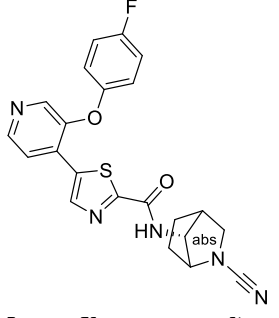
Compound Number	Compound Structure and Chemical Name
138	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylthio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
139	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
140	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylamino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
141	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)-1H-pyrazole-3-carboxamide

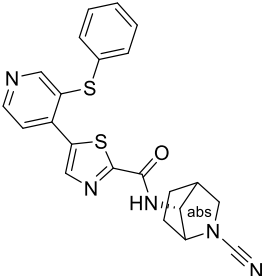
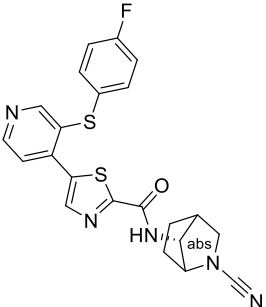
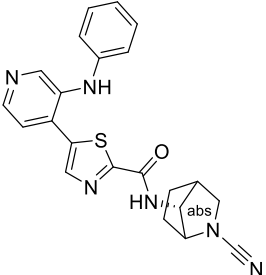
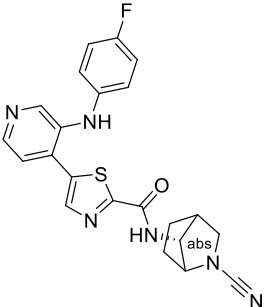
Compound Number	Compound Structure and Chemical Name
142	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-phenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
143	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
144	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylthio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
145	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)-1H-pyrazole-3-carboxamide

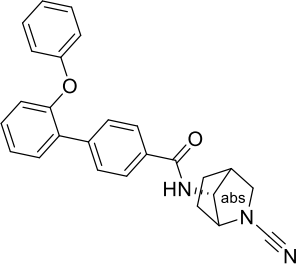
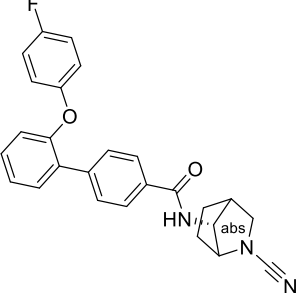
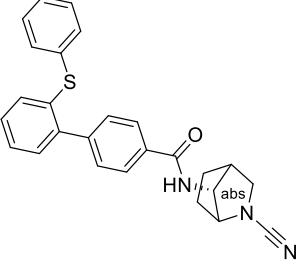
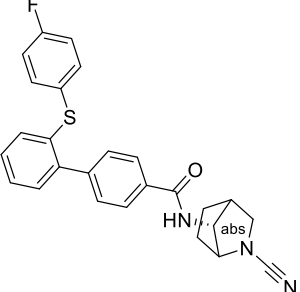
Compound Number	Compound Structure and Chemical Name
146	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylamino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
147	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
148	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)thiazole-2-carboxamide
149	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(4-fluorophenoxy)phenyl)thiazole-2-carboxamide

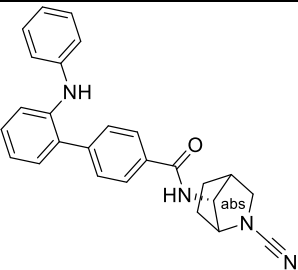
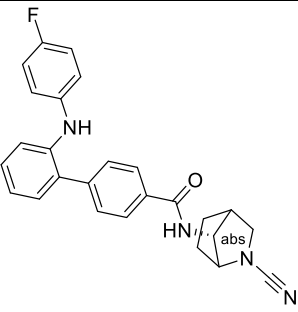
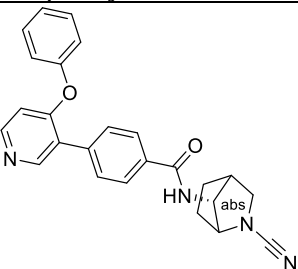
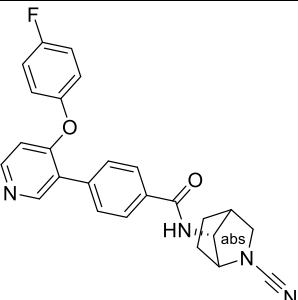
Compound Number	Compound Structure and Chemical Name
150	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylthio)phenyl)thiazole-2-carboxamide
151	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)thio)phenyl)thiazole-2-carboxamide
152	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylamino)phenyl)thiazole-2-carboxamide
153	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)amino)phenyl)thiazole-2-carboxamide

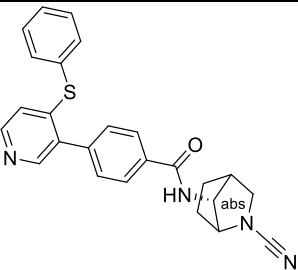
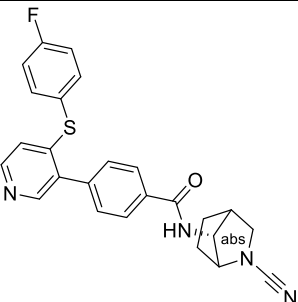
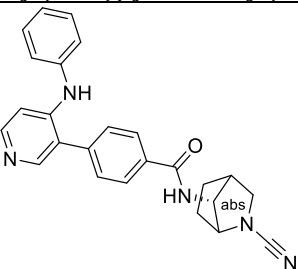
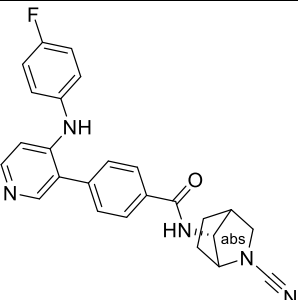
Compound Number	Compound Structure and Chemical Name
154	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-phenoxy)pyridin-3-ylthiazole-2-carboxamide
155	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(4-fluorophenoxy))pyridin-3-ylthiazole-2-carboxamide
156	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylthio))pyridin-3-ylthiazole-2-carboxamide
157	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)thio))pyridin-3-ylthiazole-2-carboxamide

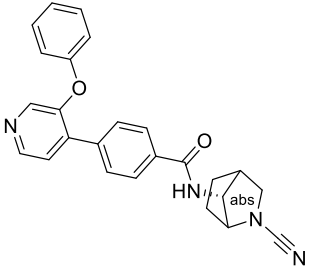
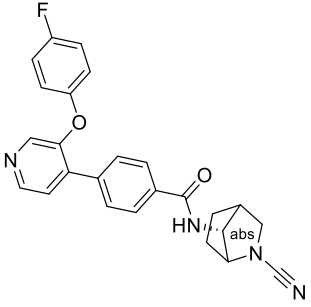
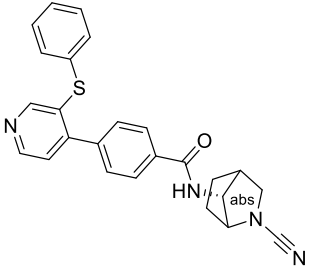
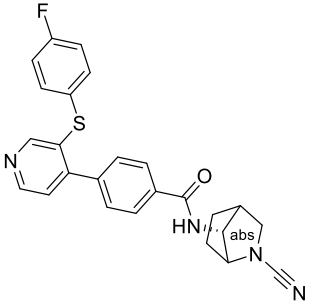
Compound Number	Compound Structure and Chemical Name
158	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylamino)pyridin-3-yl)thiazole-2-carboxamide
159	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)thiazole-2-carboxamide
160	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-phenoxy)pyridin-4-ylthiazole-2-carboxamide
161	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)thiazole-2-carboxamide

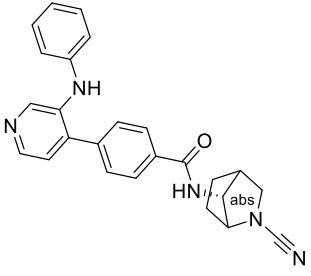
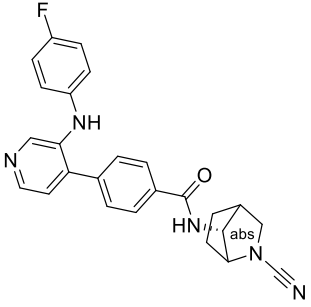
Compound Number	Compound Structure and Chemical Name
162	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylthio)pyridin-4-yl)thiazole-2-carboxamide
163	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)thiazole-2-carboxamide
164	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylamino)pyridin-4-yl)thiazole-2-carboxamide
165	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)thiazole-2-carboxamide

Compound Number	Compound Structure and Chemical Name
166	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-phenoxy-[1,1'-biphenyl]-4-carboxamide
167	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-(4-fluorophenoxy)-[1,1'-biphenyl]-4-carboxamide
168	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-(phenylthio)-[1,1'-biphenyl]-4-carboxamide
169	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-((4-fluorophenyl)thio)-[1,1'-biphenyl]-4-carboxamide

Compound Number	Compound Structure and Chemical Name
170	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-(phenylamino)-[1,1'-biphenyl]-4-carboxamide
171	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-((4-fluorophenyl)amino)-[1,1'-biphenyl]-4-carboxamide
172	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-phenoxy pyridin-3-yl)benzamide
173	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-(4-fluorophenoxy)pyridin-3-yl)benzamide

Compound Number	Compound Structure and Chemical Name
174	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-(phenylthio)pyridin-3-yl)benzamide
175	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-((4-fluorophenyl)thio)pyridin-3-yl)benzamide
176	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-(phenylamino)pyridin-3-yl)benzamide
177	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-((4-fluorophenyl)amino)pyridin-3-yl)benzamide

Compound Number	Compound Structure and Chemical Name
178	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-phenoxy)pyridin-4-ylbenzamide
179	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-(4-fluorophenoxy))pyridin-4-ylbenzamide
180	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-(phenylthio))pyridin-4-ylbenzamide
181	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-((4-fluorophenyl)thio))pyridin-4-ylbenzamide

Compound Number	Compound Structure and Chemical Name
182	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-(phenylamino)pyridin-4-yl)benzamide
183	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-((4-fluorophenyl)amino)pyridin-4-yl)benzamide

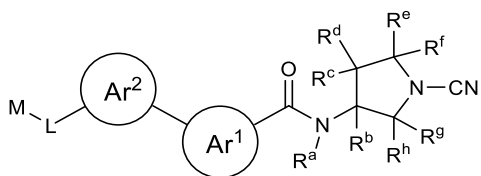
[0005c] In yet another aspect, the present disclosure refers to a pharmaceutical composition comprising the compound as disclosed herein, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

[0005d] In a further aspect, the present disclosure refers to a use of a compound as disclosed herein, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition as disclosed herein, in the manufacture of a medicament for inhibiting USP30 in a patient in need thereof.

[0005e] In another aspect, the present disclosure refers to a use of a compound as disclosed herein, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition as disclosed herein, in the manufacture of a medicament for treating a neurodegenerative disorder in a patient in need thereof, optionally wherein the neurodegenerative disorder is Parkinson's disease.

[0005f] In yet another aspect, the present disclosure refers to a compound as disclosed herein, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition as disclosed herein, for use in therapy.

[0006] The present disclosure provides compounds useful for inhibiting USP30, including USP30 Inhibitor Compounds as defined herein. In some examples, the present disclosure provides a compound of formula (I):



I;

or a pharmaceutically acceptable salt thereof, wherein

R^a, R^b, R^c, R^d, R^e, R^f, R^g, and R^h are defined as follows:

(i) R^a and R^b form a C₁-C₄ alkylene group between the atoms to which they are attached, wherein said C₁-C₄ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^c, R^d, R^e, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(ii) R^a and R^e form a C₁-C₂ alkylene group between the atoms to which they are attached, wherein said C₁-C₂ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^b, R^c, R^d, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(iii) R^a and R^g form a C₁-C₃ alkylene group between the atoms to which they are attached, wherein said C₁-C₃ alkylene group is substituted with 0-4 substituents selected from the

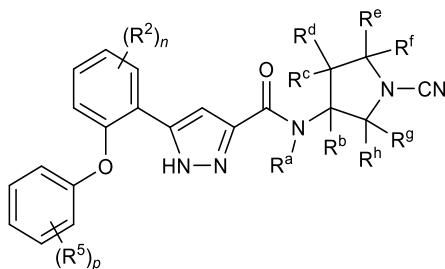
each R^{10} , R^{11} , and R^{12} is independently hydrogen, C_1 - C_6 alkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, or 3-8 membered cycloalkyl;

m is 0-4;

n is 0-4; and

p is 0-4.

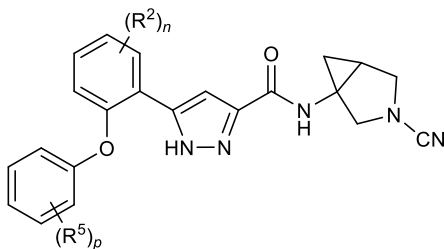
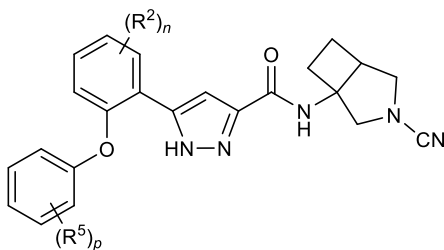
[0007] In some examples, the present disclosure provides a compound of formula (I-C):

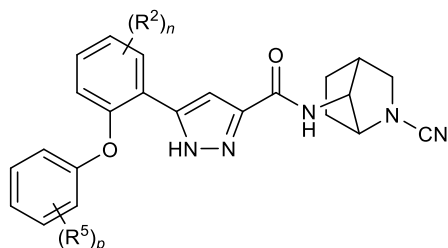


I-C

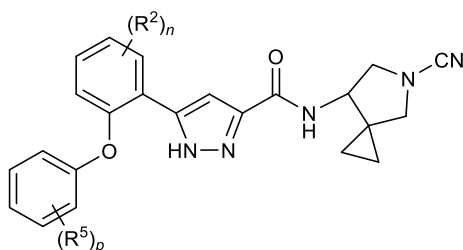
or a pharmaceutically acceptable salt thereof, wherein R^2 , R^5 , n , p , R^a , R^b , R^c , R^d , R^e , R^f , R^g , and R^h are all as defined for formula (I) above and described in classes and subclasses herein for formula (I), both singly and in combination.

[0008] In some examples, a USP30 Inhibitor Compound is a compound selected from the group consisting of:





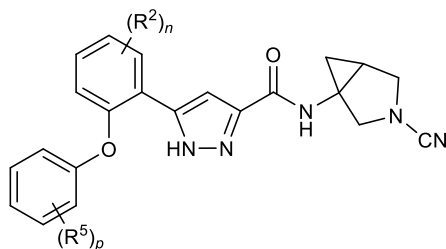
; and



,

wherein R^2 , R^5 , n , and p are as defined with respect to formula (I) herein, or a pharmaceutically acceptable salt thereof, having an IC_{50} value of about $\leq 1 \mu M$ (and preferably $\leq 0.5 \mu M$ or $\leq 0.1 \mu M$) and $> 0.001 \mu M$ as measured in a Ubiquitin-Rhodamine 110 Assay as described in Example 1. In some examples, compounds of formula (I-C) are provided where R^2 and R^5 are both hydrogen.

[0009] In some examples, a USP30 Inhibitor Compound is a compound of the chemical formula:



.

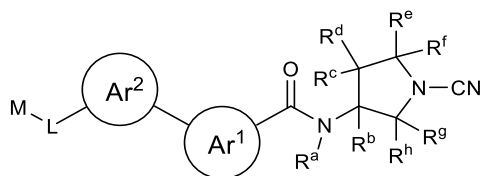
wherein R^2 , R^5 , n , and p are as defined with respect to formula (I) herein, or a pharmaceutically acceptable salt thereof, having an IC_{50} value of about $\leq 1 \mu M$ (and preferably $\leq 0.5 \mu M$ or $\leq 0.1 \mu M$) and $> 0.001 \mu M$ as measured in a Ubiquitin-Rhodamine 110 Assay as described in Example 1.

[0010] In some examples, a compound is any compound selected from the compounds listed in Table 1 herein.

CLAIMS

What is claimed is:

1. A compound of formula (I):



(I);

or a pharmaceutically acceptable salt thereof, wherein

R^a , R^b , R^c , R^d , R^e , R^f , R^g , and R^h are defined as follows:

- (i) R^a and R^b form a C_1 - C_4 alkylene group between the atoms to which they are attached, wherein said C_1 - C_4 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and R^c , R^d , R^e , R^f , R^g , and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or
- (ii) R^a and R^e form a C_1 - C_2 alkylene group between the atoms to which they are attached, wherein said C_1 - C_2 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and R^b , R^c , R^d , R^f , R^g , and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or
- (iii) R^a and R^g form a C_1 - C_3 alkylene group between the atoms to which they are attached, wherein said C_1 - C_3 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and R^b , R^c , R^d , R^e , R^f , and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or
- (iv) R^b and R^c form a C_1 - C_4 alkylene group between the atoms to which they are attached, wherein said C_1 - C_4 alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C_1 - C_3 alkyl, and C_1 - C_3 haloalkyl; and R^a , R^d , R^e , R^f , R^g , and R^h are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl; or
- (v) R^b and R^e form a C_1 - C_3 alkylene group between the atoms to which they are attached, wherein said C_1 - C_3 alkylene group is substituted with 0-4 substituents selected from the

- group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^c, R^d, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (vi) R^b and R^g form a C₁-C₄ alkylene group between the atoms to which they are attached, wherein said C₁-C₄ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^c, R^d, R^e, R^f, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (vii) R^c and R^d together with the atom to which they are attached, form a 3-6 membered cycloalkyl or heterocycloalkyl, wherein said 3-6 membered cycloalkyl or heterocycloalkyl is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^e, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (viii) R^c and R^d together form =O; and R^a, R^b, R^e, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (ix) R^c and R^e form a C₁-C₄ alkylene group between the atoms to which they are attached, wherein said C₁-C₄ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^d, R^f, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (x) R^c and R^g form a C₁-C₃ alkylene group between the atoms to which they are attached, wherein said C₁-C₃ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^d, R^e, R^f, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (xi) R^e and R^f together with the atom to which they are attached, form a 3-6 membered cycloalkyl or heterocycloalkyl, wherein said 3-6 membered cycloalkyl or heterocycloalkyl is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^c, R^d, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or
- (xii) R^e and R^f together form =O; and R^a, R^b, R^c, R^d, R^g, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xiii) R^e and R^g form a C₁-C₃ alkylene group between the atoms to which they are attached, wherein said C₁-C₃ alkylene group is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^c, R^d, R^f, and R^h are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xiv) R^g and R^h together with the atom to which they are attached, form a 3-6 membered cycloalkyl or heterocycloalkyl, wherein said 3-6 membered cycloalkyl or heterocycloalkyl is substituted with 0-4 substituents selected from the group consisting of halogen, C₁-C₃ alkyl, and C₁-C₃ haloalkyl; and R^a, R^b, R^c, R^d, R^e, and R^f are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; or

(xv) R^g and R^h together form =O; and R^a, R^b, R^c, R^d, R^e, and R^f are each independently hydrogen, halogen, C₁-C₃ alkyl, or C₁-C₃ haloalkyl; and

Ar¹ is phenylene or 5-6 membered heteroarylene, wherein said phenylene or heteroarylene is substituted with *m* R¹ groups; and

Ar² is phenylene or 5-10 membered heteroarylene, wherein said phenylene or heteroarylene is substituted with *n* R² groups;

L is -O-, -S-, -NR³-, -C(R⁴)₂-, -S(O)₂-, or -S(O)-;

M is 3-6 membered cycloalkyl, phenyl, or 5-6 membered heteroaryl, wherein said cycloalkyl, phenyl, or heteroaryl is substituted with *p* R⁵ groups;

each occurrence of R¹, R², and R⁵ is independently halo, cyano, NO₂, oxo, hydroxyl, -R⁶, -OR⁶, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ hydroxyalkyl, -C₁-C₆ alkylene-R⁶, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, -C₀-C₃ alkylene-NR⁶R⁷, -C₀-C₃ alkylene-NR⁷R⁸, -C₀-C₃ alkylene-C(O)NR⁶R⁷, -C₀-C₃ alkylene-C(O)NR⁷R⁸, -C₀-C₃ alkylene-NR⁷C(O)R⁶, -C₀-C₃ alkylene-NR⁷C(O)R⁸, -C₀-C₃ alkylene-NR⁷S(O)₂R⁶, -C₀-C₃ alkylene-C(O)R⁶, -C₀-C₃ alkylene-C(O)R⁷, -C₀-C₃ alkylene-SR⁶, -C₀-C₃ alkylene-S(O)R⁶, -C₀-C₃ alkylene-S(O)₂R⁶, -C₀-C₃ alkylene-S(O)₂R⁷, -C₀-C₃ alkylene-S(O)₂NR⁶R⁷, -C₀-C₃ alkylene-S(O)₂NR⁷R⁸, -C₀-C₃ alkylene-NR⁷C(O)NR⁸R⁹, -C₀-C₃ alkylene-NR⁷S(O)₂NR⁸R⁹, -C₀-C₃ alkylene-C(O)OR⁷, -C₀-C₃ alkylene-C(O)OR⁶, -C₀-C₃ alkylene-OC(O)R⁷, -C₀-C₃ alkylene-OC(O)R⁶, -C₀-C₃ alkylene-NR⁷C(O)OR⁸, or -C₀-C₃ alkylene-NR⁷S(O)₂R⁸;

R³ is H, C₁-C₆ alkyl, or C₁-C₆ haloalkyl;

each R⁴ is independently H, C₁-C₆ alkyl, or C₁-C₆ haloalkyl, or two R⁴ groups together with the carbon atom to which they are attached form a 3-6 membered cycloalkyl or heterocycloalkyl;

each R⁶ is 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, or 3-8 membered cycloalkyl, wherein said heteroaryl, heterocycloalkyl, aryl, or cycloalkyl is optionally substituted with 1-5 substituents independently selected from the group consisting of halo, oxo, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ hydroxyalkyl, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, C₂-C₆ alkenyl, C₂-C₆ alkynyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, 3-8 membered cycloalkyl, -NR¹⁰C(O)NR¹¹R¹², -NR¹⁰R¹¹, -C(O)R¹⁰, -NR¹⁰C(O)R¹¹, -NR¹⁰C(O)OR¹¹, -S(O)₂R¹⁰, -C(O)NR¹⁰R¹¹, -C(O)OR¹⁰, -S(O)₂NR¹⁰R¹¹, -NR¹⁰S(O)₂R¹¹, -OR¹⁰, -OC(O)R¹⁰, -OS(O)₂R¹⁰, -OC(O)NR¹⁰R¹¹, -OC(O)OR¹⁰, -OS(O)₂NR¹⁰R¹¹, -C(O)NR¹⁰C(O)NR¹¹R¹², -C(O)C(O)R¹⁰, -C(O)NR¹⁰C(O)R¹¹, -C(O)NR¹⁰C(O)OR¹¹, -C(O)S(O)₂R¹⁰, -C(O)C(O)NR¹⁰R¹¹, -C(O)C(O)OR¹⁰, -C(O)S(O)₂NR¹⁰R¹¹, -C(O)NR¹⁰S(O)₂R¹¹, -C₁-C₆ alkylene-R¹⁰, -C₁-C₆ alkylene-NR¹⁰C(O)NR¹¹R¹², -C₁-C₆ alkylene-NR¹⁰R¹¹, -C₁-C₆ alkylene-C(O)R¹⁰, -C₁-C₆ alkylene-NR¹⁰C(O)R¹¹, -C₁-C₆ alkylene-NR¹⁰C(O)OR¹¹, -C₁-C₆ alkylene-S(O)₂R¹⁰, -C₁-C₆ alkylene-C(O)NR¹⁰R¹¹, -C₁-C₆ alkylene-C(O)OR¹⁰, -C₁-C₆ alkylene-S(O)₂NR¹⁰R¹¹, -C₁-C₆ alkylene-NR¹⁰S(O)₂R¹¹, -C₁-C₆ alkenylene-R¹⁰, -C₁-C₆ alkenylene-NR¹⁰C(O)NR¹¹R¹², -C₁-C₆ alkenylene-NR¹⁰R¹¹, -C₁-C₆ alkenylene-C(O)R¹⁰, -C₁-C₆ alkenylene-NR¹⁰C(O)R¹¹, -C₁-C₆ alkenylene-NR¹⁰C(O)OR¹¹, -C₁-C₆ alkenylene-S(O)₂R¹⁰, -C₁-C₆ alkenylene-C(O)NR¹⁰R¹¹, -C₁-C₆ alkenylene-C(O)OR¹⁰, -C₁-C₆ alkenylene-S(O)₂NR¹⁰R¹¹, and -C₁-C₆ alkenylene-NR¹⁰S(O)₂R¹¹;

each R⁷, R⁸, and R⁹ is independently hydrogen or C₁-C₆ alkyl;

each R¹⁰, R¹¹, and R¹² is independently hydrogen, C₁-C₆ alkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, 6-10 membered aryl, or 3-8 membered cycloalkyl;

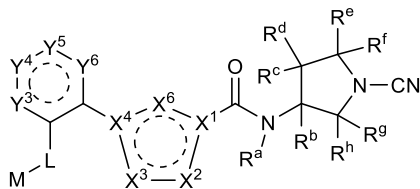
m is 0-4;

n is 0-4; and

p is 0-4.

2. The compound of claim 1, wherein the compound is:

(a) of formula (I-B):



(I-B)

or a pharmaceutically acceptable salt thereof, wherein:

X¹ is C or N;

X² is CH, CR¹, O, S, N, NH, or NR¹, as valency permits;

X³ is CH, CR¹, O, S, N, NH, or NR¹, as valency permits;

X⁴ is C or N;

X⁶ is CH, CR¹, O, S, N, NH, or NR¹, as valency permits;

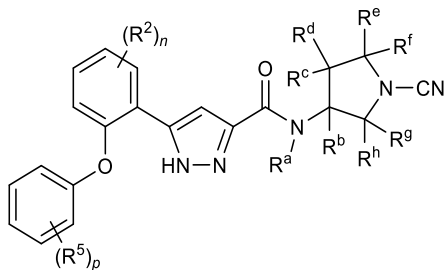
Y³ is CH, CR², or N;

Y⁴ is CH, CR², or N;

Y⁵ is CH, CR², or N;

Y⁶ is CH, CR², or N; and/or

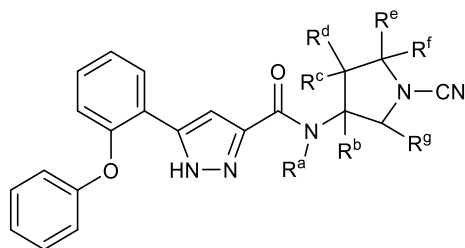
(b) of formula (I-C):



(I-C)

or a pharmaceutically acceptable salt thereof; and/or

(c) of formula (I-E):

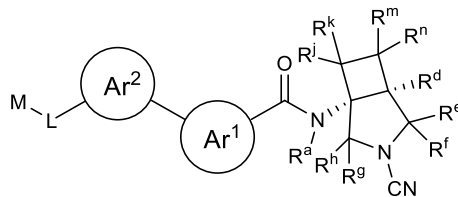


(I-E)

or a pharmaceutically acceptable salt thereof.

3. The compound of claim 1 or claim 2, wherein R^b and R^c form a C_1 - C_4 alkylene group between the atoms to which they are attached, and R^a , R^d , R^e , R^f , R^g , and R^h are each hydrogen.

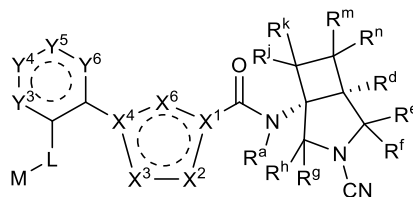
4. The compound of any one of claims 1-3, wherein the compound is:
(a) of formula (I-1):



(I-1)

or a pharmaceutically acceptable salt thereof, wherein R^j , R^k , R^m , and R^n are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl, optionally wherein:

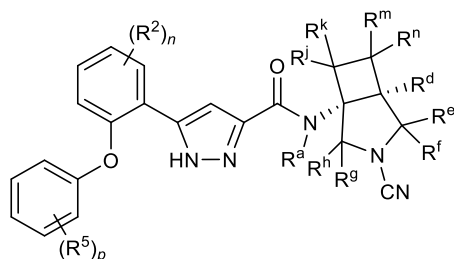
(i) the compound is of formula (I-B-1):



(I-B-1)

or a pharmaceutically acceptable salt thereof; and/or

(ii) the compound is of formula (I-C-1):

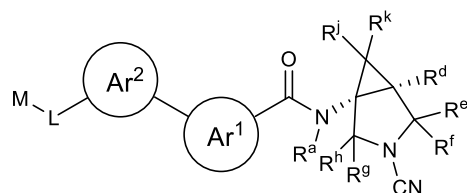


(I-C-1)

or a pharmaceutically acceptable salt thereof; and/or

(iii) $R^a, R^d, R^e, R^f, R^g, R^h, R^j, R^k, R^m$, and R^n are each hydrogen; or

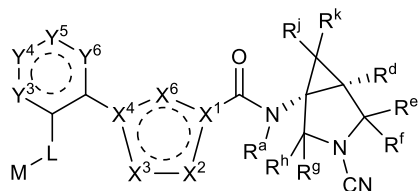
(b) of formula (I-2):



(I-2)

or a pharmaceutically acceptable salt thereof, wherein R^j and R^k are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl, optionally wherein:

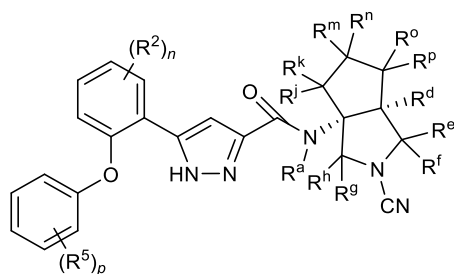
(i) the compound is of formula (I-B-2):



(I-B-2)

or a pharmaceutically acceptable salt thereof; and/or

(ii) the compound is of formula (I-C-2):



(I-C-3)

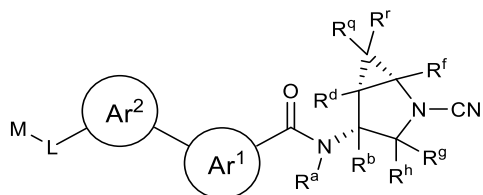
or a pharmaceutically acceptable salt thereof; and/or

(iii) R^a , R^d , R^e , R^f , R^g , R^h , R^j , R^k , R^m , R^n , R^o , and R^p are each hydrogen.

5. The compound of claim 1 or claim 2, wherein:

(a) R^c and R^e form a C_1 - C_4 alkylene group between the atoms to which they are attached; and R^a , R^b , R^d , R^f , R^g , and R^h are each hydrogen; and/or

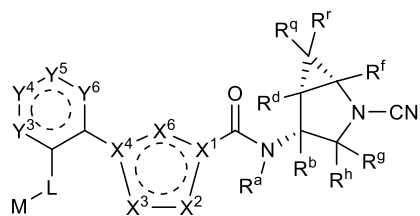
(b) the compound is of formula (I-4):



(I-4)

or a pharmaceutically acceptable salt thereof, wherein R^q and R^r are each independently hydrogen, halogen, C_1 - C_3 alkyl, or C_1 - C_3 haloalkyl, optionally wherein:

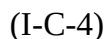
(i) the compound is of formula (I-B-4):



(I-B-4)

or a pharmaceutically acceptable salt thereof; and/or

(ii) the compound is of formula (I-C-4):



(iii) $R^a, R^b, R^d, R^f, R^g, R^h, R^q$, and R^r are each hydrogen.

- 157

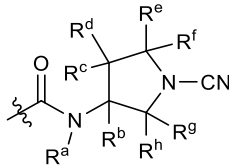
- (b) phenylene; or
- (c) phenylene or 5-6 membered heteroarylene.

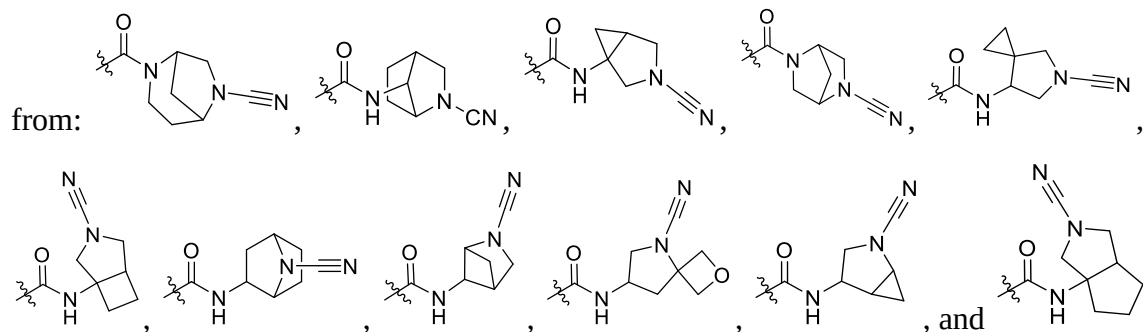
9. The compound of any one of the preceding claims, wherein L is:

- (a) -O-, -S-, or -NH-; or
- (b) -O-.

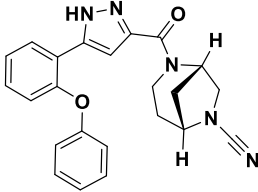
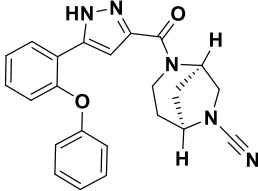
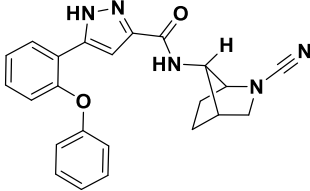
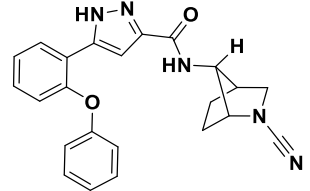
10. The compound of any one of the preceding claims, wherein:

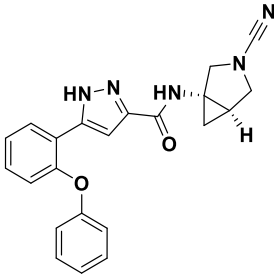
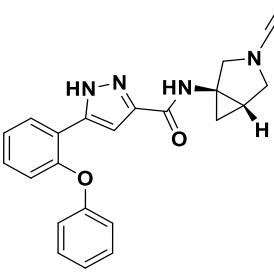
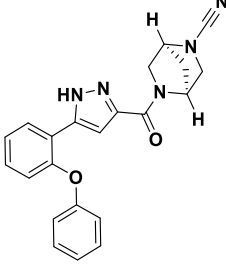
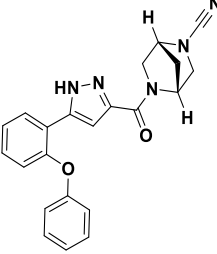
- (a) M is phenyl substituted with p R^5 groups,
optionally wherein M is phenyl; and/or
- (b) each occurrence of R^1 , R^2 , and R^5 is independently selected from halo, cyano,
hydroxyl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_1 - C_6 haloalkyl, and C_1 - C_6 hydroxyalkyl; and/or
- (c) m is 0; and/or
- (d) n is 0; and/or
- (e) p is 0 or 1,
optionally wherein p is 0.

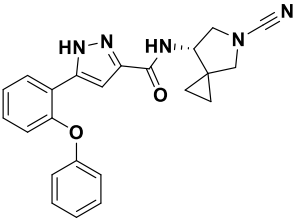
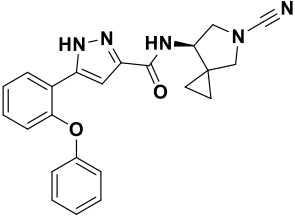
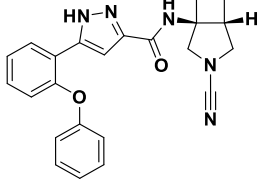
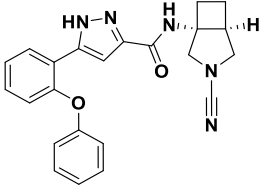
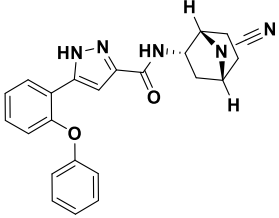
11. The compound of any one of the preceding claims, wherein  is selected

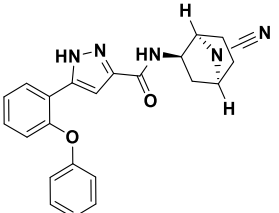
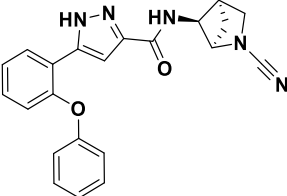
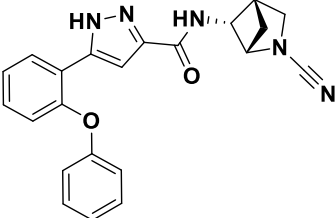
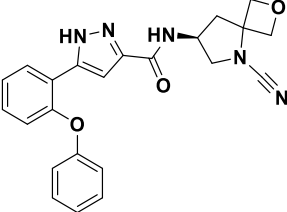
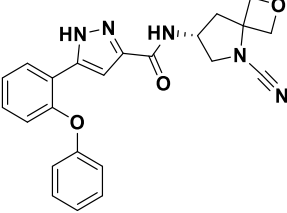


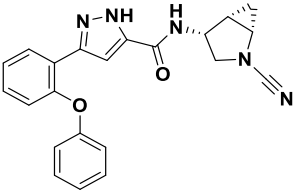
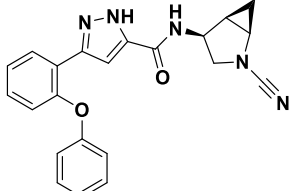
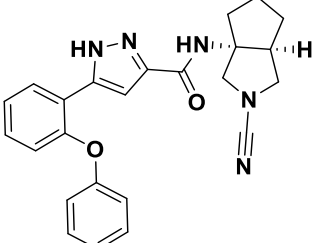
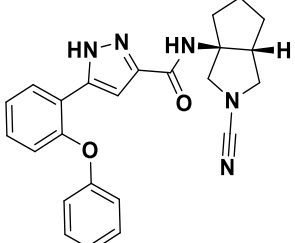
12. A compound, or pharmaceutically acceptable salt thereof, wherein the compound is selected from:

Compound Number	Compound Structure and Chemical Name
1-a	 (1S,5R)-2-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,6-diazabicyclo[3.2.1]octane-6-carbonitrile
1-b	 (1R,5S)-2-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,6-diazabicyclo[3.2.1]octane-6-carbonitrile
2-a	 N-((1S,4S,7S)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
2-b	 N-((1R,4R,7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

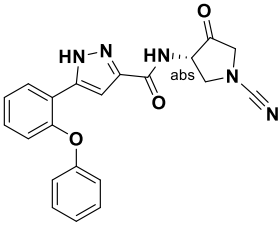
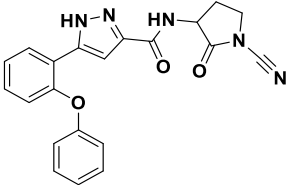
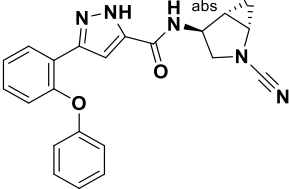
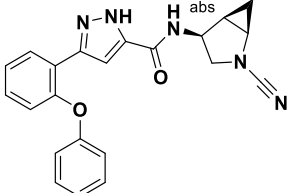
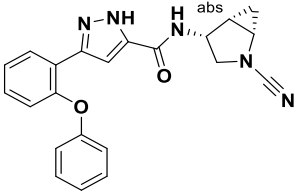
Compound Number	Compound Structure and Chemical Name
3-a	 N-((1S, 5R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
3-b	 N-((1R, 5S)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
4-a	 (1S,4S)-5-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,5-diazabicyclo[2.2.1]heptane-2-carbonitrile
4-b	 (1R,4R)-5-(5-(2-phenoxyphenyl)-1H-pyrazole-3-carbonyl)-2,5-diazabicyclo[2.2.1]heptane-2-carbonitrile

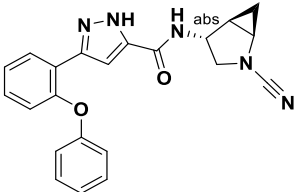
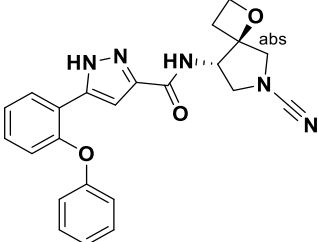
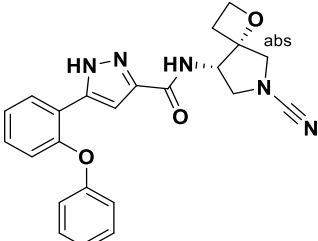
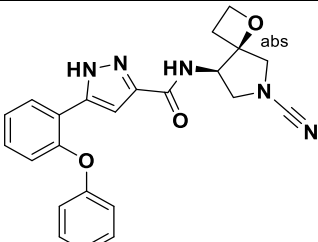
Compound Number	Compound Structure and Chemical Name
5-a	 (S)-N-(5-cyano-5-azaspiro[2.4]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
5-b	 (R)-N-(5-cyano-5-azaspiro[2.4]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
6-a	 N-((1R,5S)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
6-b	 N-((1S,5R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
7-a	 N-((1S,2S,4R)-7-cyano-7-azabicyclo[2.2.1]heptan-2-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

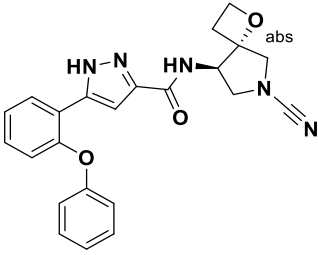
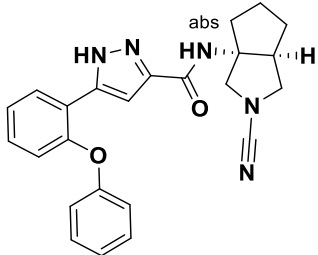
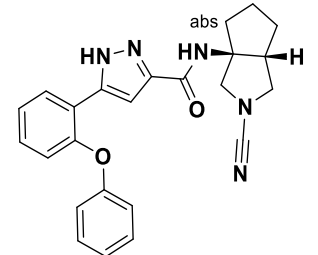
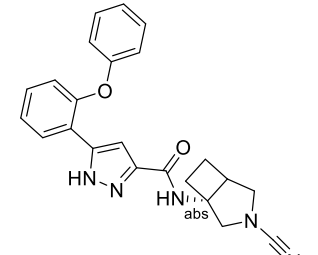
Compound Number	Compound Structure and Chemical Name
7-b	 N-((1R,2R,4S)-7-cyano-7-azabicyclo[2.2.1]heptan-2-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
8-a	 N-[(1R,4R,5S)-2-cyano-2-azabicyclo[2.1.1]hexan-5-yl]-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
8-b	 N-((1S,4S,5R)-2-cyano-2-azabicyclo[2.1.1]hexan-5-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
9-a	 (S)-N-(5-cyano-2-oxa-5-azaspiro[3.4]octan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
9-b	 (R)-N-(5-cyano-2-oxa-5-azaspiro[3.4]octan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

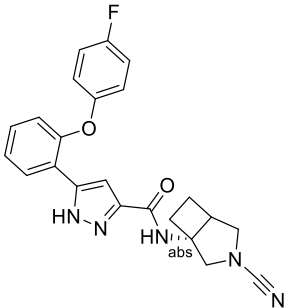
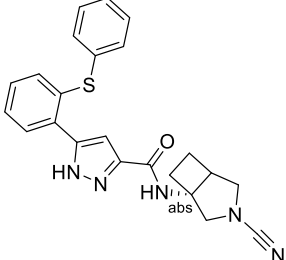
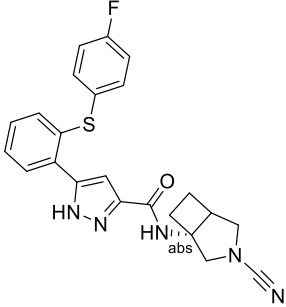
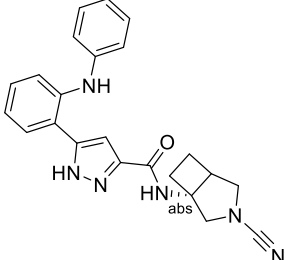
Compound Number	Compound Structure and Chemical Name
13-a	 N-((1S,4R,5S)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
13-b	 N-((1R,4S,5R)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
20-a	 N-((3aR,6aS)-2-cyano-2,3,4,5,6,7-hexahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
20-b	 N-((3aS,6aR)-2-cyano-2,3,4,5,6,7-hexahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

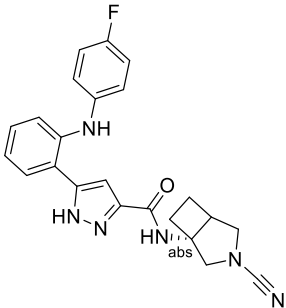
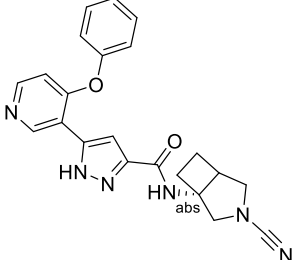
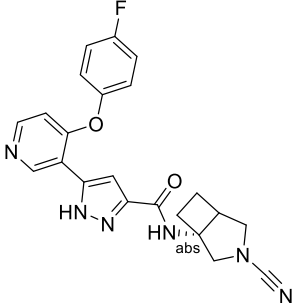
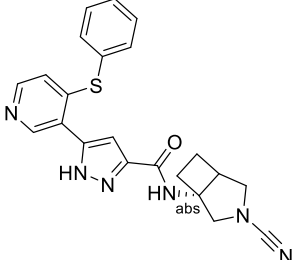
, or wherein the compound is selected from:

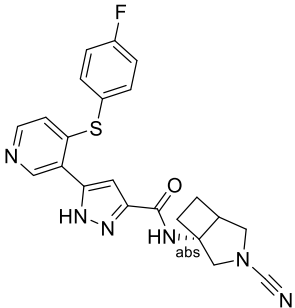
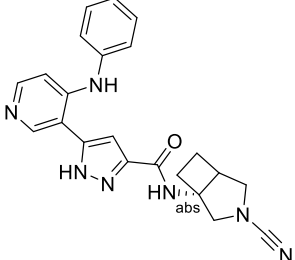
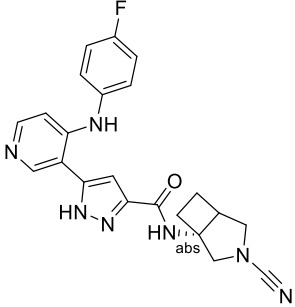
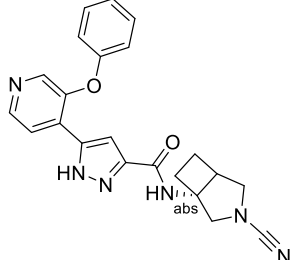
Compound Number	Compound Structure and Chemical Name
10	 (S)-N-(1-cyano-4-oxopyrrolidin-3-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
11	 N-(1-cyano-2-oxopyrrolidin-3-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
12	 N-((1S,4S,5S)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
13	 N-((1R,4S,5R)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
14	 N-((1S,4R,5S)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide

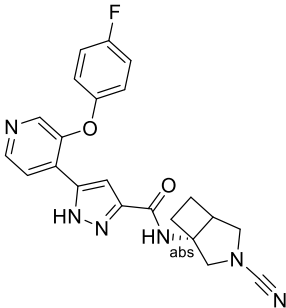
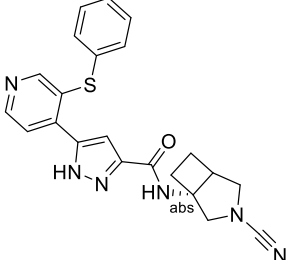
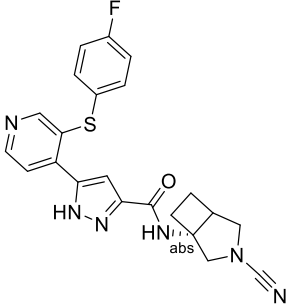
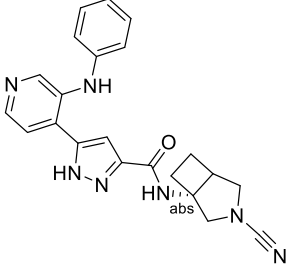
Compound Number	Compound Structure and Chemical Name
15	 N-((1R,4R,5R)-2-cyano-2-azabicyclo[3.1.0]hexan-4-yl)-3-(2-phenoxyphenyl)-1H-pyrazole-5-carboxamide
16	 N-((4S,8S)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
17	 N-((4R,8S)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
18	 N-((4S,8R)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

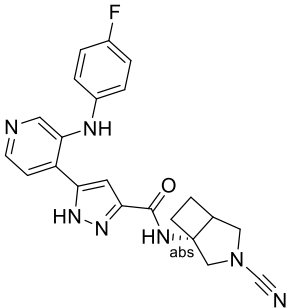
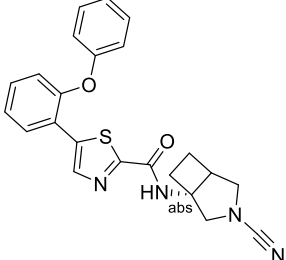
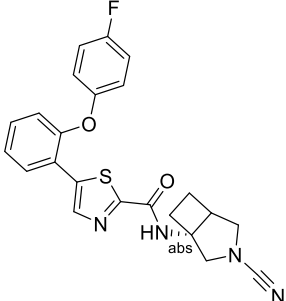
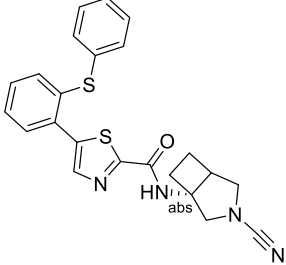
Compound Number	Compound Structure and Chemical Name
19	 N-((4R,8R)-6-cyano-1-oxa-6-azaspiro[3.4]octan-8-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
20	 N-((3aR,6aS)-2-cyano-6,7,8,9-tetrahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
21	 N-((3aS,6aR)-2-cyano-6,7,8,9-tetrahydrocyclopenta[c]pyrrol-3a(1H)-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
22	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

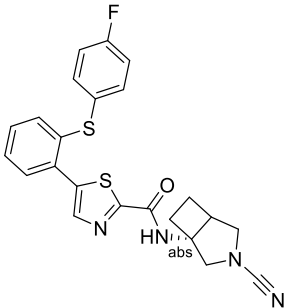
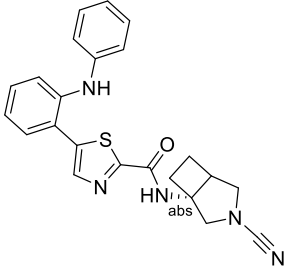
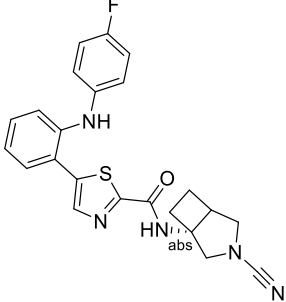
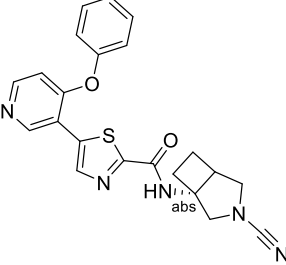
Compound Number	Compound Structure and Chemical Name
23	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)-1H-pyrazole-3-carboxamide
24	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylthio)phenyl)-1H-pyrazole-3-carboxamide
25	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)-1H-pyrazole-3-carboxamide
26	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylamino)phenyl)-1H-pyrazole-3-carboxamide

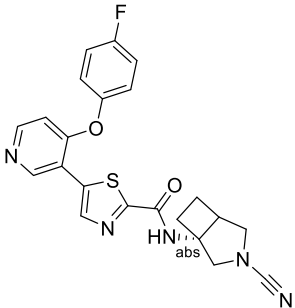
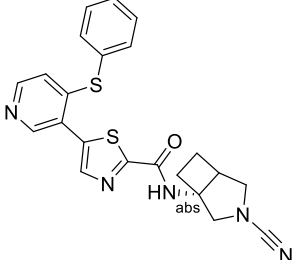
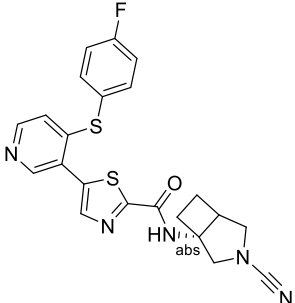
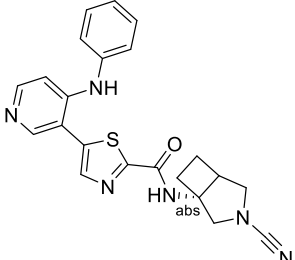
Compound Number	Compound Structure and Chemical Name
27	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)-1H-pyrazole-3-carboxamide
28	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-phenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide
29	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide
30	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylthio)pyridin-3-yl)-1H-pyrazole-3-carboxamide

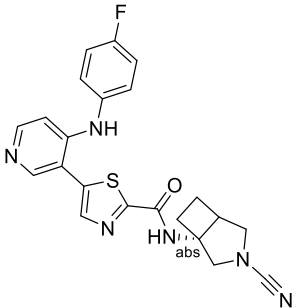
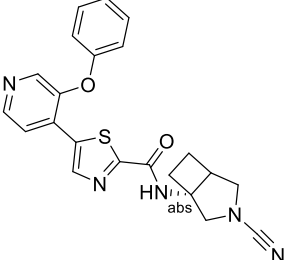
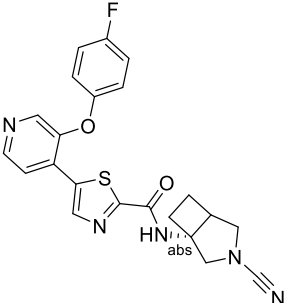
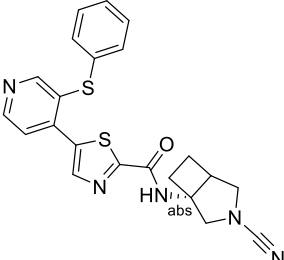
Compound Number	Compound Structure and Chemical Name
31	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
32	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
33	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
34	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-phenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide

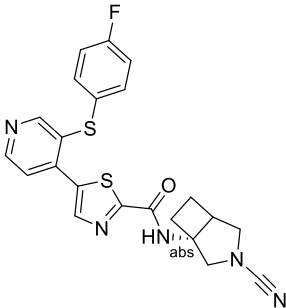
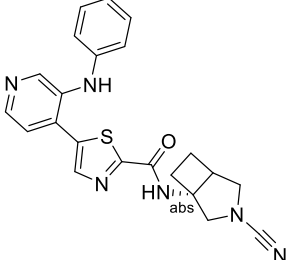
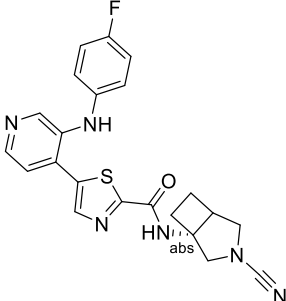
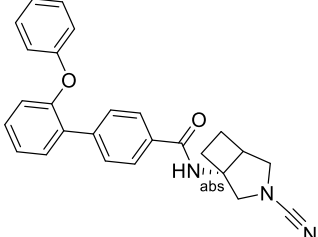
Compound Number	Compound Structure and Chemical Name
35	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
36	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
37	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
38	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)-1H-pyrazole-3-carboxamide

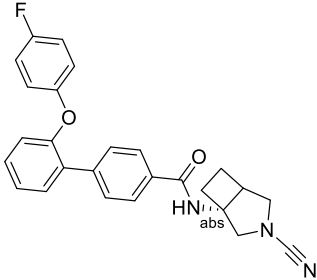
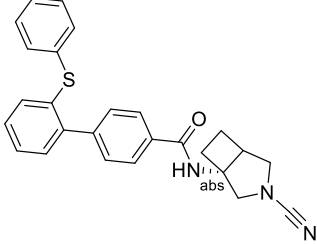
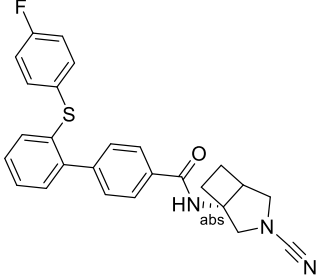
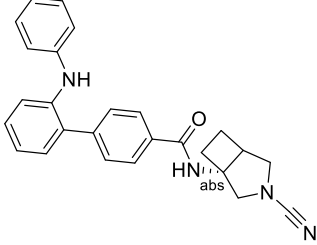
Compound Number	Compound Structure and Chemical Name
39	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
40	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-phenoxyphenyl)thiazole-2-carboxamide
41	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)thiazole-2-carboxamide
42	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylthio)phenyl)thiazole-2-carboxamide

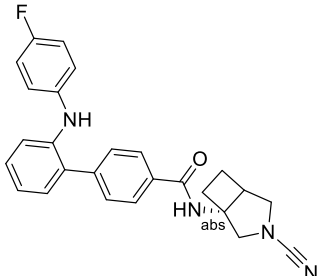
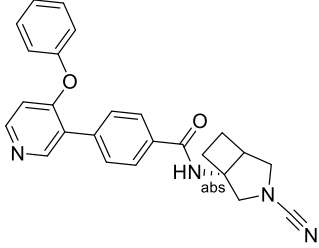
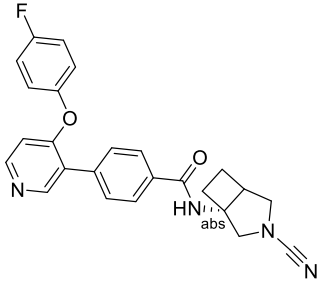
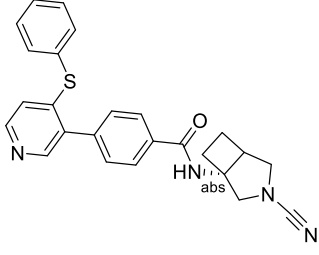
Compound Number	Compound Structure and Chemical Name
43	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)thiazole-2-carboxamide
44	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-(phenylamino)phenyl)thiazole-2-carboxamide
45	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)thiazole-2-carboxamide
46	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-phenoxy pyridin-3-yl)thiazole-2-carboxamide

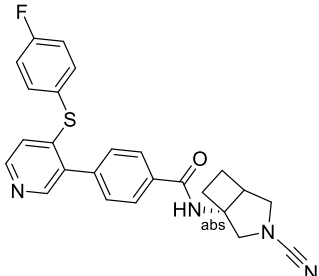
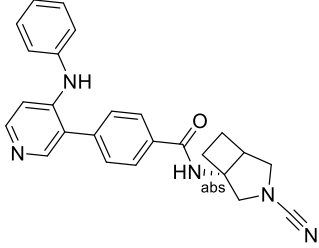
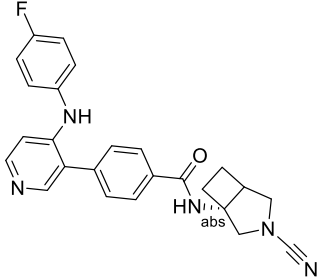
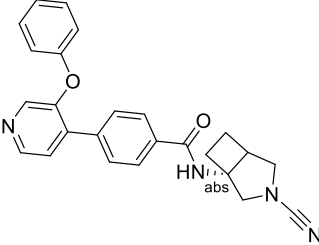
Compound Number	Compound Structure and Chemical Name
47	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)thiazole-2-carboxamide
48	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylthio)pyridin-3-yl)thiazole-2-carboxamide
49	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)thiazole-2-carboxamide
50	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)thiazole-2-carboxamide

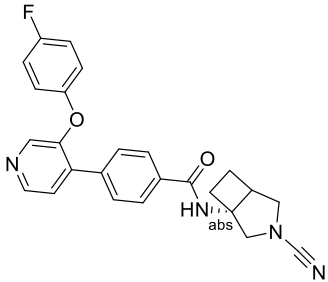
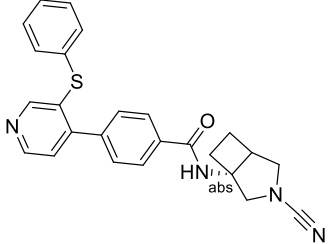
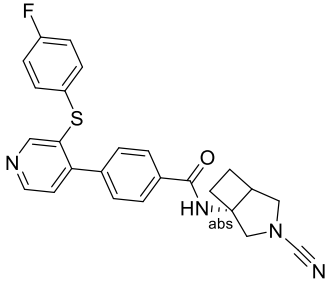
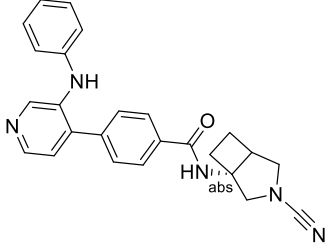
Compound Number	Compound Structure and Chemical Name
51	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)thiazole-2-carboxamide
52	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-phenoxy)pyridin-4-ylthiazole-2-carboxamide
53	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-ylthiazole-2-carboxamide
54	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylthio)pyridin-4-ylthiazole-2-carboxamide

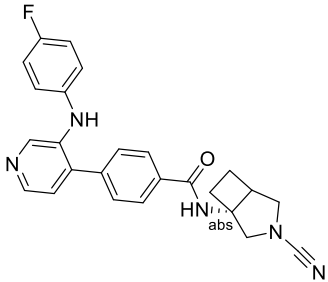
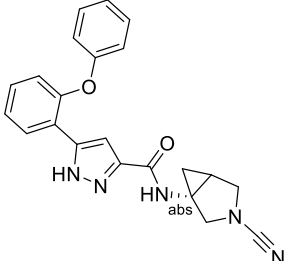
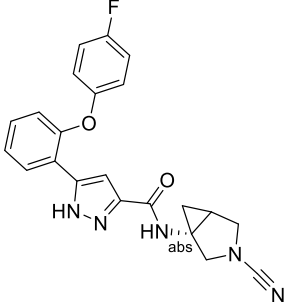
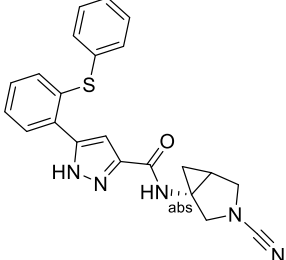
Compound Number	Compound Structure and Chemical Name
55	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)thiazole-2-carboxamide
56	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)thiazole-2-carboxamide
57	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)thiazole-2-carboxamide
58	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-phenoxy-[1,1'-biphenyl]-4-carboxamide

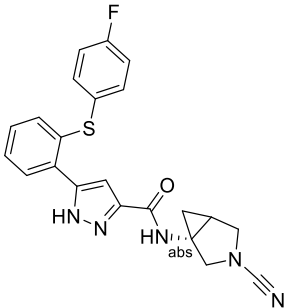
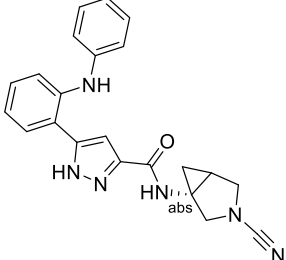
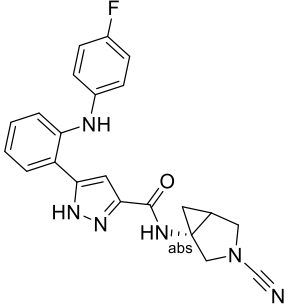
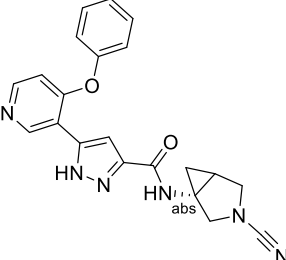
Compound Number	Compound Structure and Chemical Name
59	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-(4-fluorophenoxy)-[1,1'-biphenyl]-4-carboxamide
60	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-(phenylthio)-[1,1'-biphenyl]-4-carboxamide
61	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-((4-fluorophenyl)thio)-[1,1'-biphenyl]-4-carboxamide
62	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-(phenylamino)-[1,1'-biphenyl]-4-carboxamide

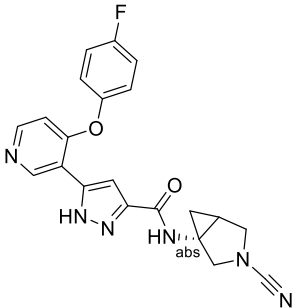
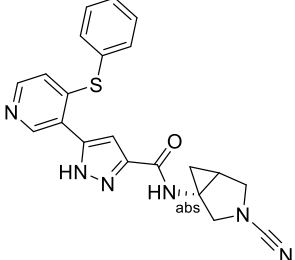
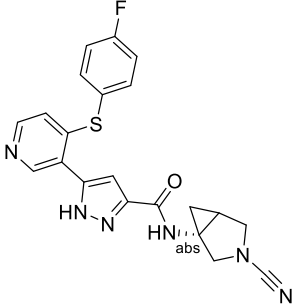
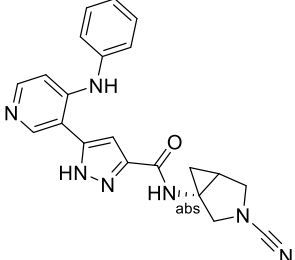
Compound Number	Compound Structure and Chemical Name
63	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-2'-((4-fluorophenyl)amino)-[1,1'-biphenyl]-4-carboxamide
64	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-phenoxy pyridin-3-yl)benzamide
65	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-(4-fluorophenoxy)pyridin-3-yl)benzamide
66	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-(phenylthio)pyridin-3-yl)benzamide

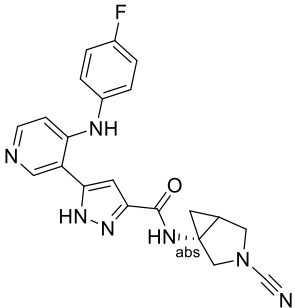
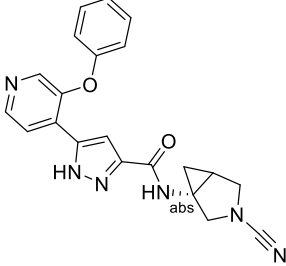
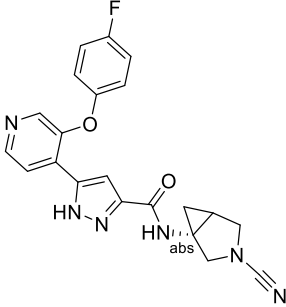
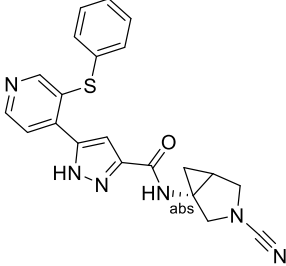
Compound Number	Compound Structure and Chemical Name
67	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-((4-fluorophenyl)thio)pyridin-3-yl)benzamide
68	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-(phenylamino)pyridin-3-yl)benzamide
69	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(4-((4-fluorophenyl)amino)pyridin-3-yl)benzamide
70	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-phenoxy pyridin-4-yl)benzamide

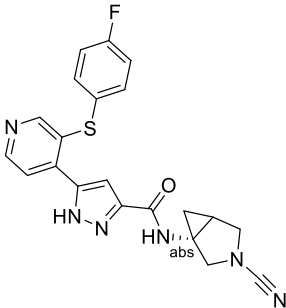
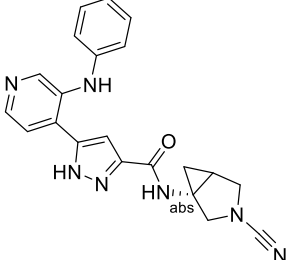
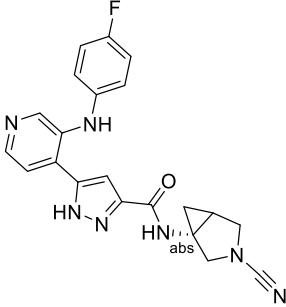
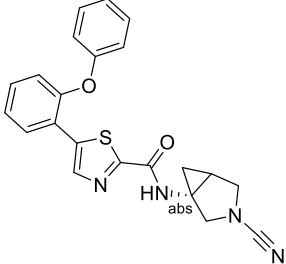
Compound Number	Compound Structure and Chemical Name
71	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-(4-fluorophenoxy)pyridin-4-yl)benzamide
72	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-(phenylthio)pyridin-4-yl)benzamide
73	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-((4-fluorophenyl)thio)pyridin-4-yl)benzamide
74	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-(phenylamino)pyridin-4-yl)benzamide

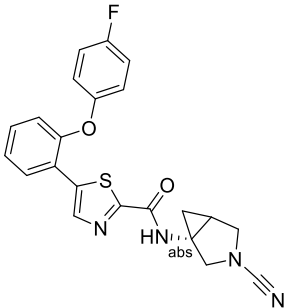
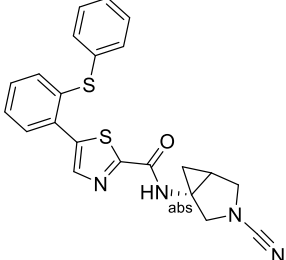
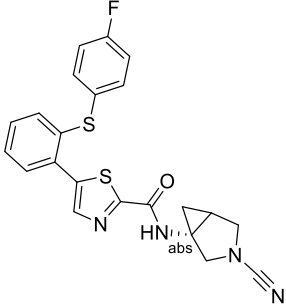
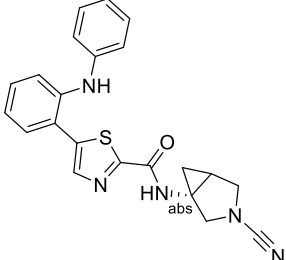
Compound Number	Compound Structure and Chemical Name
75	 N-((1R)-3-cyano-3-azabicyclo[3.2.0]heptan-1-yl)-4-(3-((4-fluorophenyl)amino)pyridin-4-yl)benzamide
76	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide
77	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)-1H-pyrazole-3-carboxamide
78	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylthio)phenyl)-1H-pyrazole-3-carboxamide

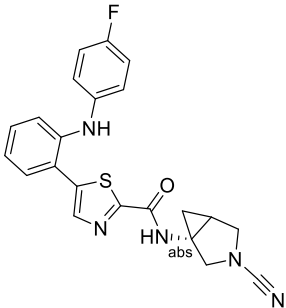
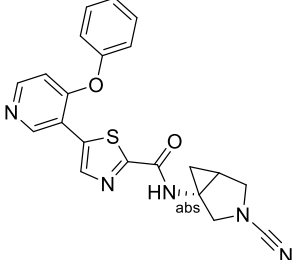
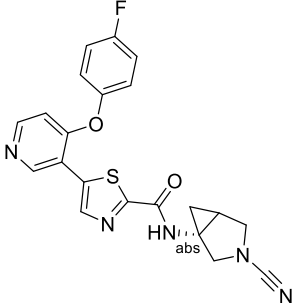
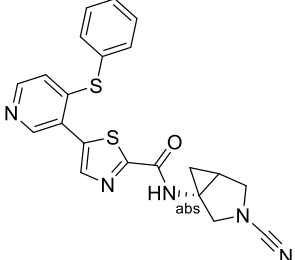
Compound Number	Compound Structure and Chemical Name
79	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)-1H-pyrazole-3-carboxamide
80	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylamino)phenyl)-1H-pyrazole-3-carboxamide
81	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)-1H-pyrazole-3-carboxamide
82	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-phenoxy pyridin-3-yl)-1H-pyrazole-3-carboxamide

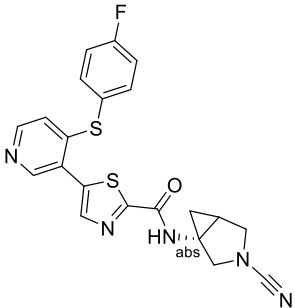
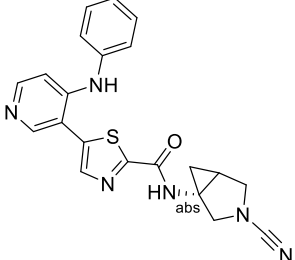
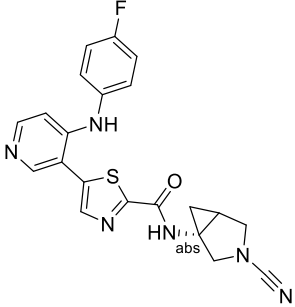
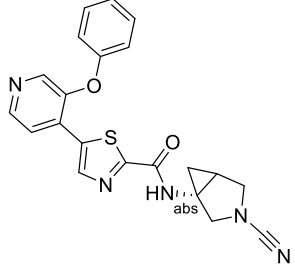
Compound Number	Compound Structure and Chemical Name
83	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide
84	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylthio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
85	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
86	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)-1H-pyrazole-3-carboxamide

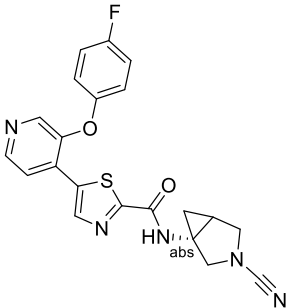
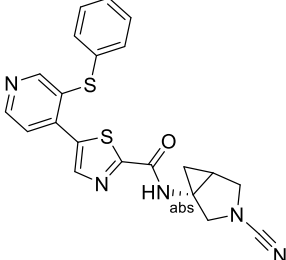
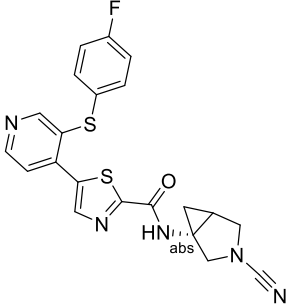
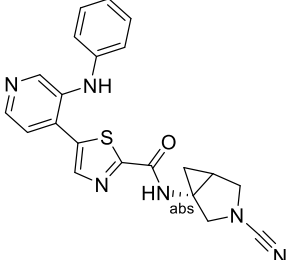
Compound Number	Compound Structure and Chemical Name
87	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
88	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-phenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
89	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
90	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)-1H-pyrazole-3-carboxamide

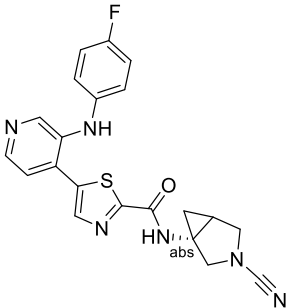
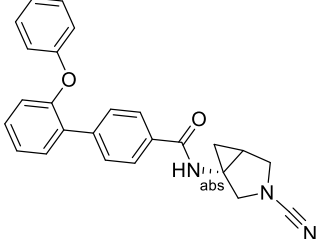
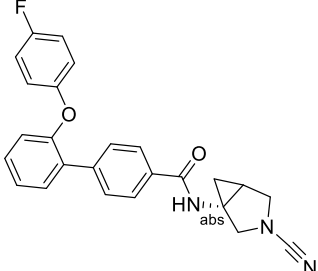
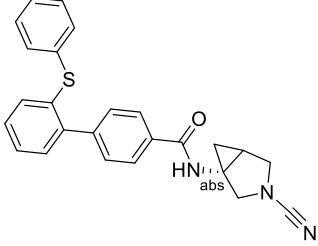
Compound Number	Compound Structure and Chemical Name
91	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
92	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
93	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
94	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-phenoxyphenyl)thiazole-2-carboxamide

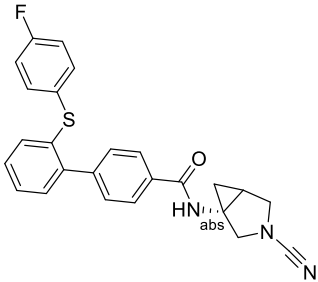
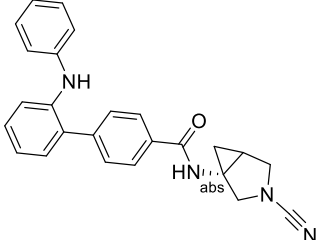
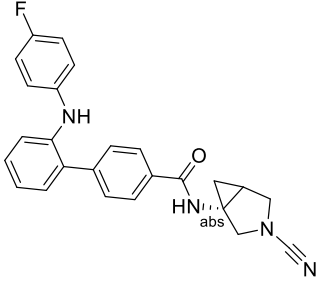
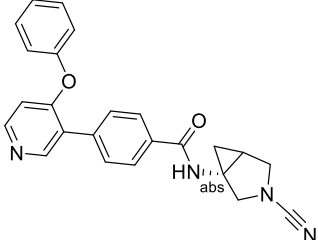
Compound Number	Compound Structure and Chemical Name
95	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(4-fluorophenoxy)phenyl)thiazole-2-carboxamide
96	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylthio)phenyl)thiazole-2-carboxamide
97	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)thio)phenyl)thiazole-2-carboxamide
98	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-(phenylamino)phenyl)thiazole-2-carboxamide

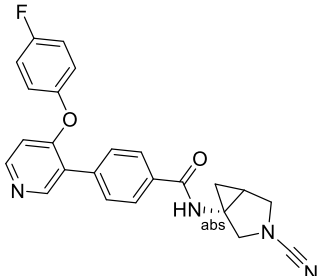
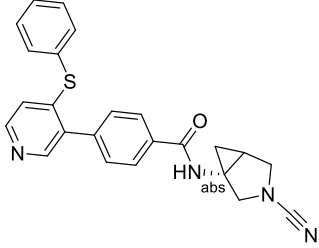
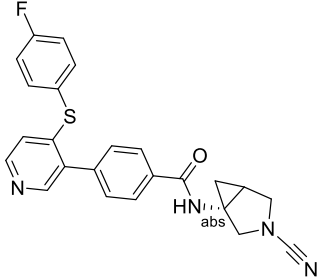
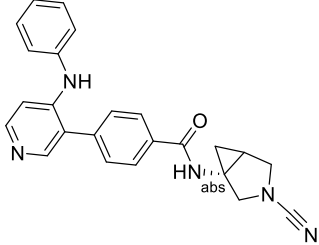
Compound Number	Compound Structure and Chemical Name
99	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(2-((4-fluorophenyl)amino)phenyl)thiazole-2-carboxamide
100	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-phenoxy)pyridin-3-ylthiazole-2-carboxamide
101	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(4-fluorophenoxy)pyridin-3-ylthiazole-2-carboxamide
102	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylthio)pyridin-3-ylthiazole-2-carboxamide

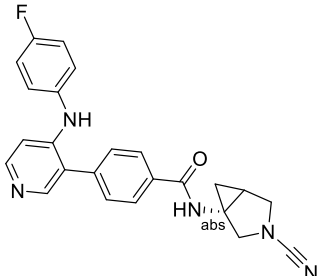
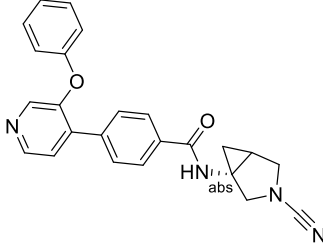
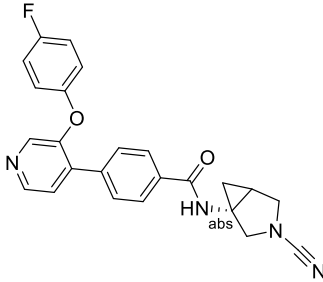
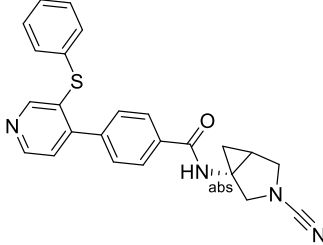
Compound Number	Compound Structure and Chemical Name
103	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)thiazole-2-carboxamide
104	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-(phenylamino)pyridin-3-yl)thiazole-2-carboxamide
105	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)thiazole-2-carboxamide
106	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-phenoxy)pyridin-4-yl)thiazole-2-carboxamide

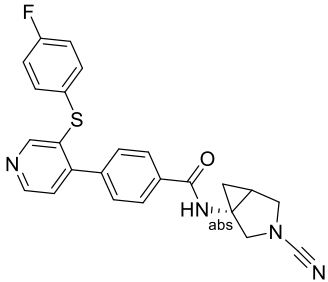
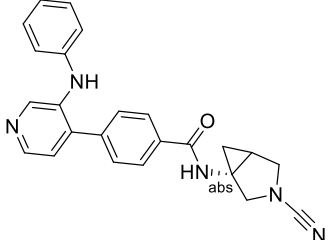
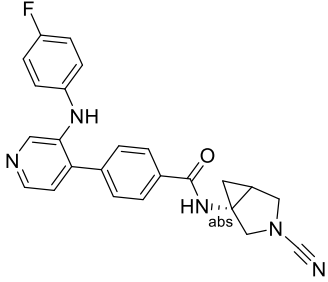
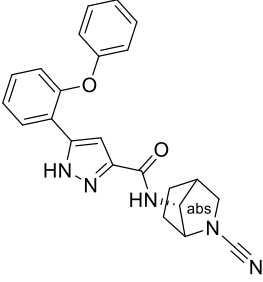
Compound Number	Compound Structure and Chemical Name
107	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)thiazole-2-carboxamide
108	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylthio)pyridin-4-yl)thiazole-2-carboxamide
109	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)thiazole-2-carboxamide
110	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-(phenylamino)pyridin-4-yl)thiazole-2-carboxamide

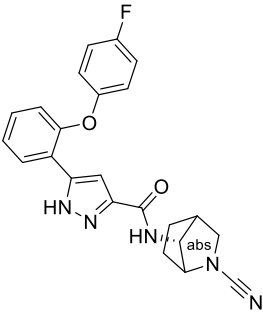
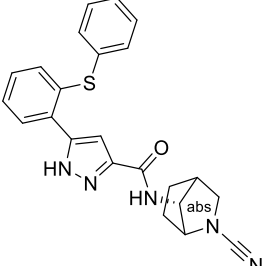
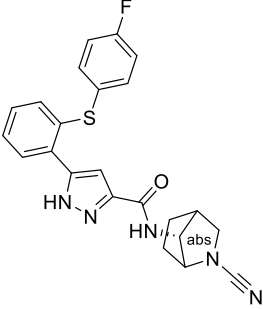
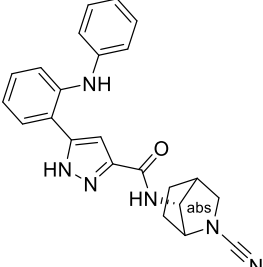
Compound Number	Compound Structure and Chemical Name
111	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)thiazole-2-carboxamide
112	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-phenoxy-[1,1'-biphenyl]-4-carboxamide
113	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-(4-fluorophenoxy)-[1,1'-biphenyl]-4-carboxamide
114	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-(phenylthio)-[1,1'-biphenyl]-4-carboxamide

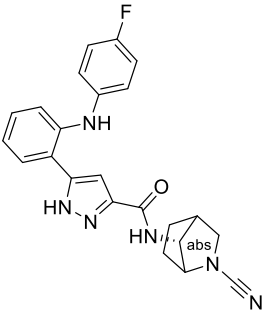
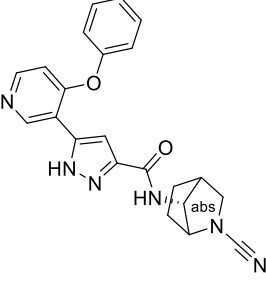
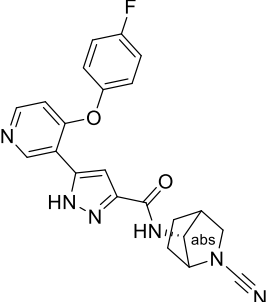
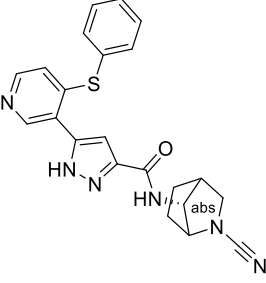
Compound Number	Compound Structure and Chemical Name
115	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-((4-fluorophenyl)thio)-[1,1'-biphenyl]-4-carboxamide
116	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-(phenylamino)-[1,1'-biphenyl]-4-carboxamide
117	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-2'-((4-fluorophenyl)amino)-[1,1'-biphenyl]-4-carboxamide
118	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-phenoxy pyridin-3-yl)benzamide

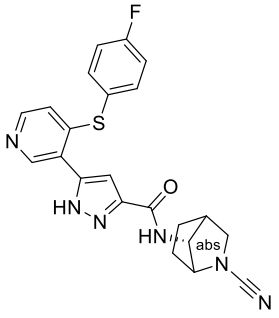
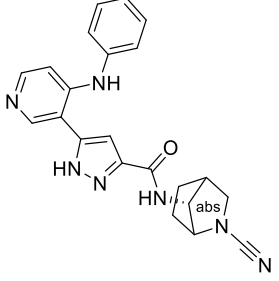
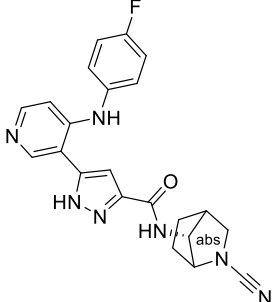
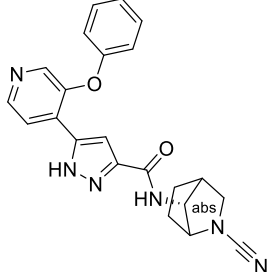
Compound Number	Compound Structure and Chemical Name
119	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-(4-fluorophenoxy)pyridin-3-yl)benzamide
120	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-(phenylthio)pyridin-3-yl)benzamide
121	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-((4-fluorophenyl)thio)pyridin-3-yl)benzamide
122	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-(phenylamino)pyridin-3-yl)benzamide

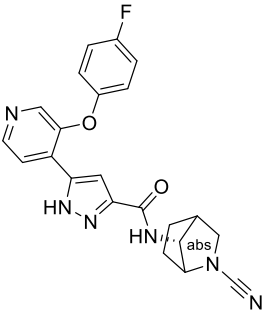
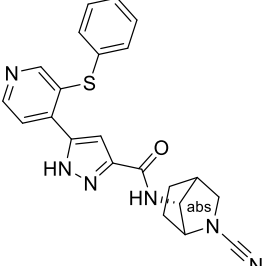
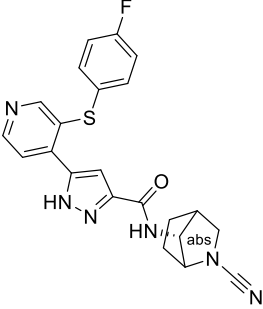
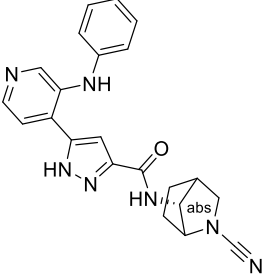
Compound Number	Compound Structure and Chemical Name
123	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(4-((4-fluorophenyl)amino)pyridin-3-yl)benzamide
124	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-phenoxy)pyridin-4-yl)benzamide
125	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-(4-fluorophenoxy)pyridin-4-yl)benzamide
126	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-(phenylthio)pyridin-4-yl)benzamide

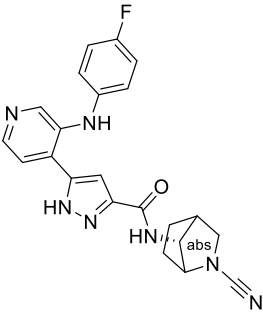
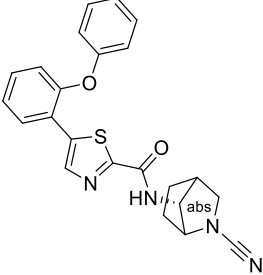
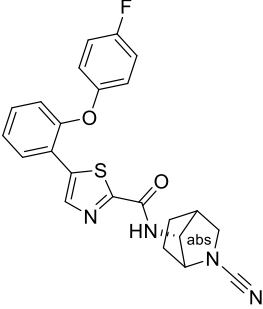
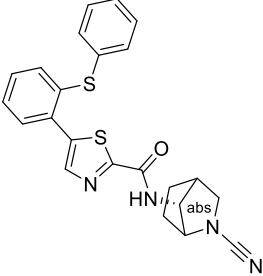
Compound Number	Compound Structure and Chemical Name
127	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-((4-fluorophenyl)thio)pyridin-4-yl)benzamide
128	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-(phenylamino)pyridin-4-yl)benzamide
129	 N-((1R)-3-cyano-3-azabicyclo[3.1.0]hexan-1-yl)-4-(3-((4-fluorophenyl)amino)pyridin-4-yl)benzamide
130	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)-1H-pyrazole-3-carboxamide

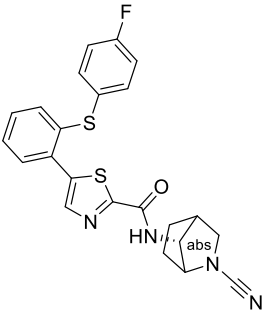
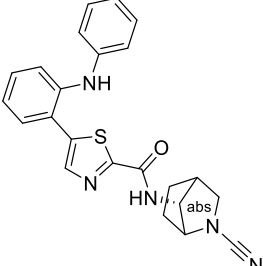
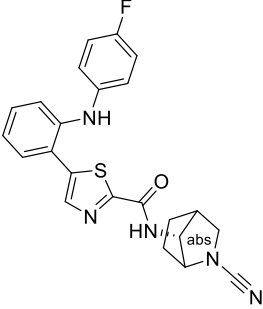
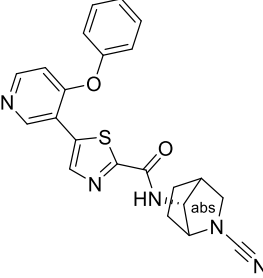
Compound Number	Compound Structure and Chemical Name
131	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(4-fluorophenoxy)phenyl)-1H-pyrazole-3-carboxamide
132	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylthio)phenyl)-1H-pyrazole-3-carboxamide
133	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)thio)phenyl)-1H-pyrazole-3-carboxamide
134	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylamino)phenyl)-1H-pyrazole-3-carboxamide

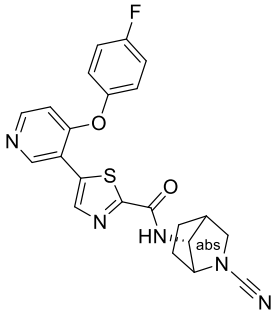
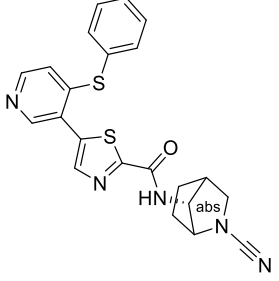
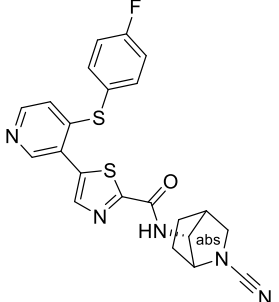
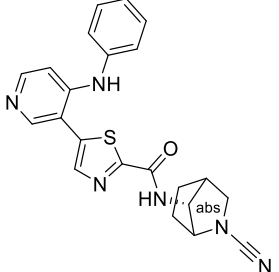
Compound Number	Compound Structure and Chemical Name
135	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)amino)phenyl)-1H-pyrazole-3-carboxamide
136	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-phenoxy pyridin-3-yl)-1H-pyrazole-3-carboxamide
137	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)-1H-pyrazole-3-carboxamide
138	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylthio)pyridin-3-yl)-1H-pyrazole-3-carboxamide

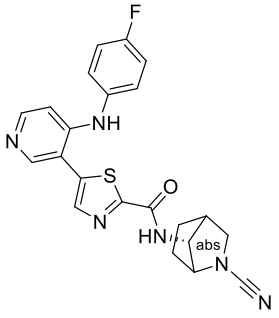
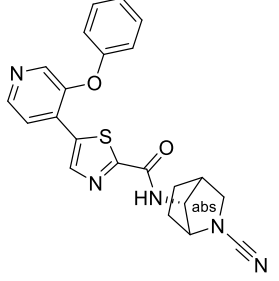
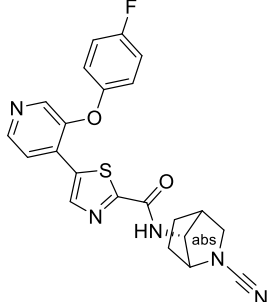
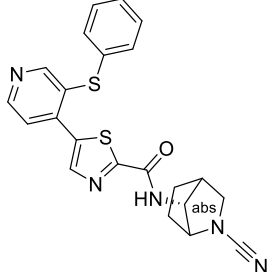
Compound Number	Compound Structure and Chemical Name
139	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)-1H-pyrazole-3-carboxamide
140	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylamino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
141	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)-1H-pyrazole-3-carboxamide
142	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-phenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide

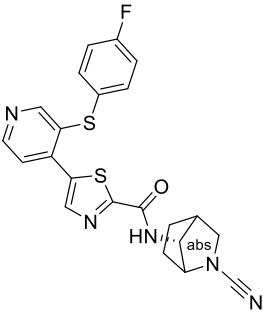
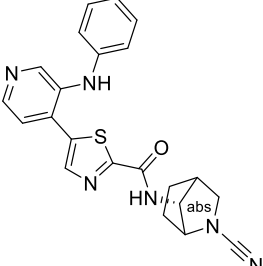
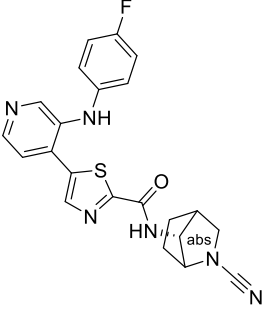
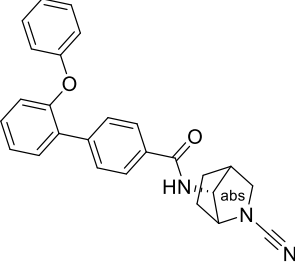
Compound Number	Compound Structure and Chemical Name
143	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(4-fluorophenoxy)pyridin-4-yl)-1H-pyrazole-3-carboxamide
144	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylthio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
145	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)-1H-pyrazole-3-carboxamide
146	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylamino)pyridin-4-yl)-1H-pyrazole-3-carboxamide

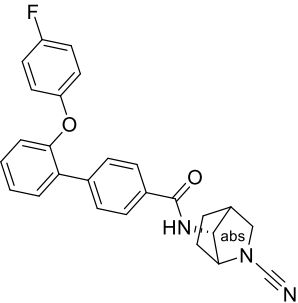
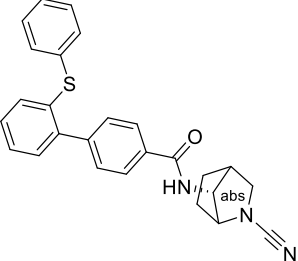
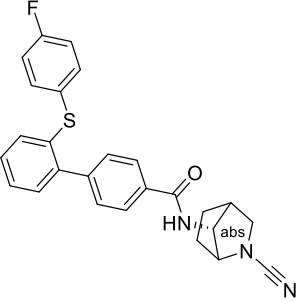
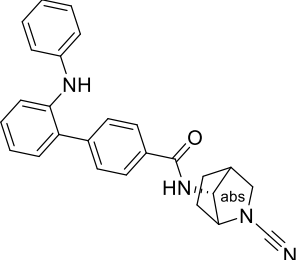
Compound Number	Compound Structure and Chemical Name
147	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)-1H-pyrazole-3-carboxamide
148	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-phenoxyphenyl)thiazole-2-carboxamide
149	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(4-fluorophenoxy)phenyl)thiazole-2-carboxamide
150	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylthio)phenyl)thiazole-2-carboxamide

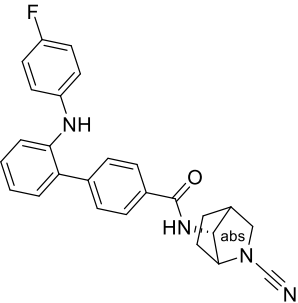
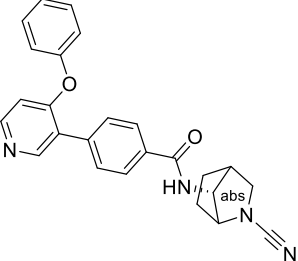
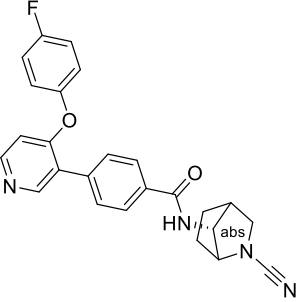
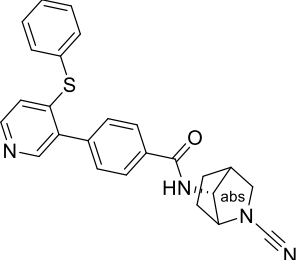
Compound Number	Compound Structure and Chemical Name
151	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)thio)phenyl)thiazole-2-carboxamide
152	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-(phenylamino)phenyl)thiazole-2-carboxamide
153	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(2-((4-fluorophenyl)amino)phenyl)thiazole-2-carboxamide
154	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-phenoxy)pyridin-3-ylthiazole-2-carboxamide

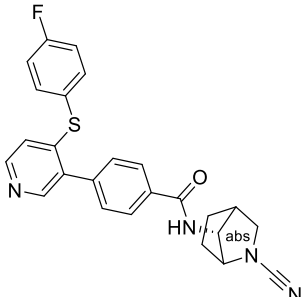
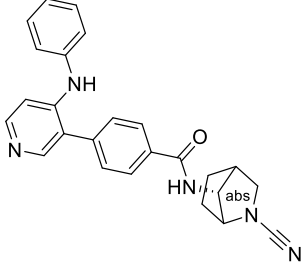
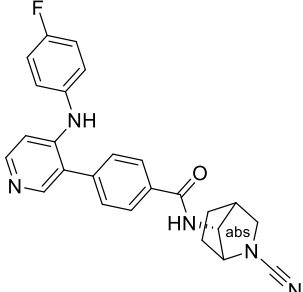
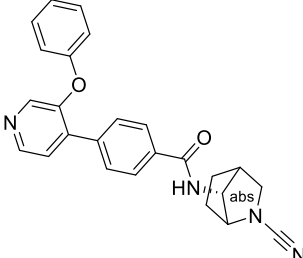
Compound Number	Compound Structure and Chemical Name
155	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(4-fluorophenoxy)pyridin-3-yl)thiazole-2-carboxamide
156	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylthio)pyridin-3-yl)thiazole-2-carboxamide
157	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)thio)pyridin-3-yl)thiazole-2-carboxamide
158	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-(phenylamino)pyridin-3-yl)thiazole-2-carboxamide

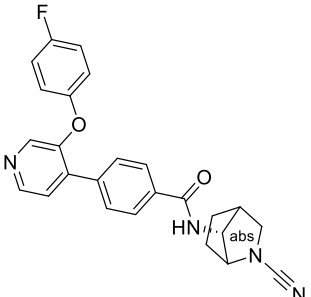
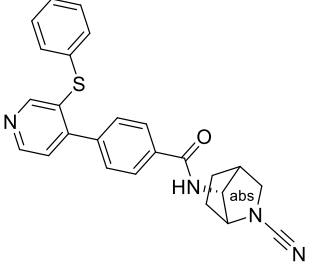
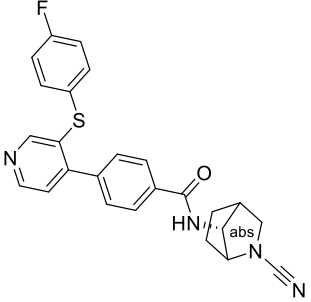
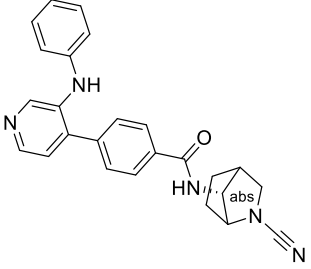
Compound Number	Compound Structure and Chemical Name
159	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(4-((4-fluorophenyl)amino)pyridin-3-yl)thiazole-2-carboxamide
160	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-phenoxy)pyridin-4-ylthiazole-2-carboxamide
161	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(4-fluorophenoxy)pyridin-4-ylthiazole-2-carboxamide
162	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylthio)pyridin-4-ylthiazole-2-carboxamide

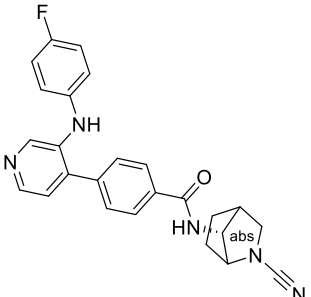
Compound Number	Compound Structure and Chemical Name
163	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)thio)pyridin-4-yl)thiazole-2-carboxamide
164	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-(phenylamino)pyridin-4-yl)thiazole-2-carboxamide
165	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-5-(3-((4-fluorophenyl)amino)pyridin-4-yl)thiazole-2-carboxamide
166	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-phenoxy-[1,1'-biphenyl]-4-carboxamide

Compound Number	Compound Structure and Chemical Name
167	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-(4-fluorophenoxy)-[1,1'-biphenyl]-4-carboxamide
168	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-(phenylthio)-[1,1'-biphenyl]-4-carboxamide
169	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-((4-fluorophenyl)thio)-[1,1'-biphenyl]-4-carboxamide
170	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-(phenylamino)-[1,1'-biphenyl]-4-carboxamide

Compound Number	Compound Structure and Chemical Name
171	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-2'-((4-fluorophenyl)amino)-[1,1'-biphenyl]-4-carboxamide
172	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-phenoxy)pyridin-3-ylbenzamide
173	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-(4-fluorophenoxy)pyridin-3-yl)benzamide
174	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-(phenylthio)pyridin-3-yl)benzamide

Compound Number	Compound Structure and Chemical Name
175	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-((4-fluorophenyl)thio)pyridin-3-yl)benzamide
176	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-(phenylamino)pyridin-3-yl)benzamide
177	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(4-((4-fluorophenyl)amino)pyridin-3-yl)benzamide
178	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-phenoxy pyridin-4-yl)benzamide

Compound Number	Compound Structure and Chemical Name
179	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-(4-fluorophenoxy)pyridin-4-yl)benzamide
180	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-(phenylthio)pyridin-4-yl)benzamide
181	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-((4-fluorophenyl)thio)pyridin-4-yl)benzamide
182	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-(phenylamino)pyridin-4-yl)benzamide

Compound Number	Compound Structure and Chemical Name
183	 N-((7R)-2-cyano-2-azabicyclo[2.2.1]heptan-7-yl)-4-(3-((4-fluorophenyl)amino)pyridin-4-yl)benzamide

13. A pharmaceutical composition comprising the compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

14. Use of a compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition of claim 13, in the manufacture of a medicament for inhibiting USP30 in a patient in need thereof.

15. Use of a compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition of claim 13, in the manufacture of a medicament for treating a neurodegenerative disorder in a patient in need thereof,
optionally wherein the neurodegenerative disorder is Parkinson's disease.

16. A compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition of claim 13, for use in therapy.