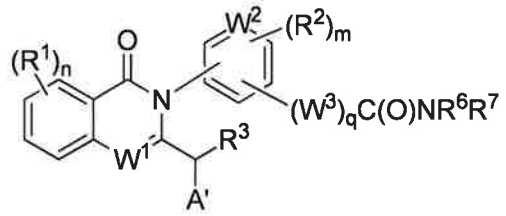
What is claimed:

1. A compound having the structure of formula (J):



(J)

wherein:

n is 0, 1, 2, 3, or 4;

m is 0, 1, 2, 3, or 4;

q is 0 or 1;

W^1 and W^2 are independently $C(R^w)$ or N;

W^3 is CH_2 or NH;

R^w is hydrogen, halo, or optionally substituted alkyl;

A′ is NR^5R^4, OR^4, or $NR^5C(O)R^4$;

each R^1 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, optionally substituted alkoxy, hydroxy, optionally substituted sulfonyl, optionally substituted aryl, optionally substituted alkenyl, optionally substituted heteroaryl, optionally substituted cycloalkyl, or optionally substituted heterocycloalkyl;

each R^2 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, optionally substituted alkoxy, or optionally substituted sulfonyl;

R^3 is hydrogen, optionally substituted alkyl, optionally substituted haloalkyl, optionally substituted cycloalkyl, or optionally substituted aryl;

R^4 is a monocyclic heteroaryl optionally substituted with one, two, or three members which are independently halo, cyano, optionally substituted alkyl, $-NH_2$, or optionally substituted alkynyl;

R^5 is hydrogen or optionally substituted alkyl, wherein R^5 and R^3 together with the atoms to which they are attached optionally form an optionally substituted heterocyclic ring;

R^6 is hydrogen, optionally substituted alkyl, optionally substituted heteroalkyl, optionally substituted alkoxy, optionally substituted haloalkyl, optionally substituted

sulfonyl, optionally substituted cycloalkyl, optionally substituted heterocycloalkyl, optionally substituted aryl, or optionally substituted heteroaryl, and

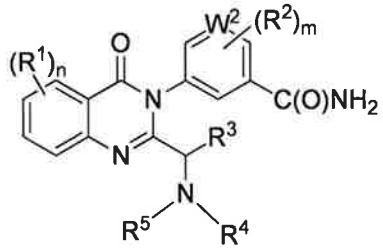
R^7 is hydrogen;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof,

wherein the term "optionally substituted" means that any one or more hydrogen atoms on the designated group may or may not be replaced with substituents selected from the group consisting of alkyl, alkenyl, alkynyl, alkoxy, acyl, amino, amido, amidino, aryl, azido, carbamoyl, carboxyl, carboxyl ester, cyano, guanidino, halo, haloalkyl, heteroalkyl, heteroaryl, heterocycloalkyl, hydroxy, hydrazino, imino, oxo, nitro, alkylsulfinyl, sulfonic acid, alkylsulfonyl, thiocyanate, thiol, and thione.

2. The compound of claim 1, wherein R^4 is a monocyclic heteroaryl optionally substituted with one, two, or three members which are independently halo, cyano, optionally substituted alkyl, or $-NH_2$.

3. The compound of claim 1, having the structure of formula (I):



(I)

wherein:

n is 0, 1, 2, 3, or 4;

m is 0, 1, 2, 3, or 4;

W^2 is $C(R^w)$ or N;

R^w is hydrogen, halo, or alkyl;

each R^1 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, optionally substituted alkoxy, optionally substituted sulfonyl, optionally substituted aryl, optionally substituted heteroaryl, optionally substituted cycloalkyl, or optionally substituted heterocycloalkyl;

each R^2 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, or optionally substituted alkoxy;

R^3 is hydrogen, optionally substituted alkyl, optionally substituted cycloalkyl, or optionally substituted aryl;

R^4 is a monocyclic heteroaryl optionally substituted with one, two, or three members independently selected from halo, cyano, optionally substituted alkyl, optionally substituted alkynyl, haloalkyl, and $-NH_2$; and

R^5 is hydrogen or optionally substituted alkyl; or R^5 and R^3 together with the atoms to which they are attached optionally form a heterocyclic ring;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

4. The compound of claim 1 or 3, wherein

n is 0, 1, 2, or 3;

m is 0, 1, or 2;

W^2 is $C(R^w)$ or N;

R^w is hydrogen, halo, or C_{1-6} alkyl;

each R^1 is independently halo, cyano, optionally substituted C_{1-6} alkyl, C_{1-6} haloalkyl, or C_{1-6} alkylsulfonyl;

each R^2 is independently halo, optionally substituted C_{1-6} alkyl, or optionally substituted C_{1-6} alkoxy;

R^3 is hydrogen, optionally substituted C_{1-6} alkyl, optionally substituted C_{3-8} cycloalkyl, or optionally substituted C_{3-8} aryl;

R^4 is a monocyclic six- to twelve-membered heteroaryl having at least one aromatic ring and at least two heteroatoms selected from N, O, and S, and the heteroaryl is optionally substituted with one, two, or three members which are independently halo, cyano, $-NH_2$, C_{1-6} haloalkyl, C_{2-4} alkynyl which is substituted with heteroaryl, or optionally substituted C_{1-6} alkyl; and

R^5 is hydrogen or optionally substituted C_{1-6} alkyl; or R^5 and R^3 together with the atoms to which they are attached optionally form a four- to eight-membered heterocyclic ring;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

5. The compound of any one of claims 1, 3 or 4, or a pharmaceutically acceptable salt, isomer, or a mixture thereof, wherein:

(i) each R^1 is chloro, bromo, fluoro, methyl, difluoromethyl, trifluoromethyl, ethyl, propyl, or cyano; and/or

(ii) each R^2 is chloro, bromo, fluoro, methyl, ethyl, propyl, methoxyproproyl, methoxyethyl, ethoxypropyl, or ethoxyethyl; and/or

(iii) R^3 is hydrogen, methyl, ethyl, propyl, butyl, cyclopropyl, cyclobutyl, or phenyl; and/or

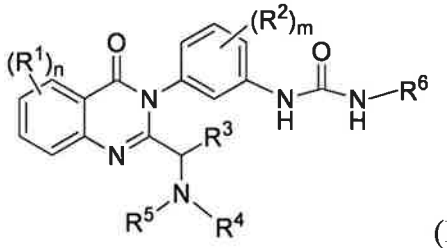
(iv) R^5 is hydrogen, methyl, ethyl, or propyl; and/or

(v) R^5 and R^3 together with the atoms to which they are attached optionally form a pyrrolidinyl ring; and/or

(vi) R^4 is a monocyclic heteroaryl having at least two nitrogen atoms, wherein R^4 is optionally substituted with two or three members which are independently bromo, chloro, fluoro, cyano, methyl, ethyl, propyl, difluoromethyl, trifluoromethyl, alkynyl substituted with a six-membered heteroaryl having 1 or 2 nitrogen atoms, or $-NH_2$; and/or

(vii) R^4 is pyrimidinyl substituted with two or three members which are independently bromo, chloro, fluoro, cyano, methyl, ethyl, propyl, difluoromethyl, pyridin-2-ylethynyl, pyrazin-2-ylethynyl, or $-NH_2$.

6. The compound of claim 1, having the structure of formula



(II)

wherein:

n is 0, 1, 2, 3, or 4;

m is 0, 1, 2, 3, or 4;

each R^1 is independently halo, cyano, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted haloalkyl, optionally substituted alkoxy, optionally substituted sulfonyl, optionally substituted aryl, optionally substituted heteroaryl, optionally substituted cycloalkyl, or optionally substituted heterocycloalkyl;

each R^2 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, or optionally substituted alkoxy;

R^3 is hydrogen, optionally substituted alkyl, optionally substituted cycloalkyl, or optionally substituted aryl;

R^4 is a monocyclic heteroaryl optionally substituted with one, two, or three members which are independently halo, cyano, optionally substituted alkyl, $-NH_2$, optionally substituted haloalkyl, or optionally substituted alkynyl;

R^5 is hydrogen or optionally substituted alkyl; or R^5 and R^3 together with the atoms to which they are attached optionally form an optionally substituted heterocyclic ring; and

R^6 is hydrogen, optionally substituted alkyl, optionally substituted alkoxy, optionally substituted haloalkyl, optionally substituted sulfonyl, optionally substituted cycloalkyl, optionally substituted aryl, or optionally substituted heteroaryl;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

7. The compound of claim 6, wherein

n is 0, 1, 2, or 3;

m is 0, 1, or 2;

each R^1 is independently halo, cyano, optionally substituted C_{1-6} alkyl, optionally substituted C_{1-6} alkenyl, or optionally substituted C_{1-6} alkoxy;

each R^2 is independently halo, optionally substituted C_{1-6} alkyl, or optionally substituted C_{1-6} alkoxy;

R^3 is hydrogen, optionally substituted C_{1-6} alkyl, or optionally substituted C_{3-8} cycloalkyl;

R^4 is a six- to twelve-membered monocyclic heteroaryl having 1, 2, 3, or 4 heteroatoms selected from N, O, and S, wherein the heteroaryl is optionally substituted with 1, 2, or 3 members which are independently halo, cyano, C_{1-6} alkyl, C_{1-6}haloalkyl, $-NH_2$, or C_{2-4} alkynyl which is substituted with heteroaryl ;

R^5 is hydrogen or optionally substituted C_{1-6} alkyl; R^5 and R^3 together with the atoms to which they are attached optionally form a four- to eight-membered heterocyclic ring optionally substituted with 1, 2, or 3 groups which are each independently halo, hydroxyl, sulfonyl, or C_{1-4} alkoxy which is optionally substituted with 1, 2, or 3 halo; and

R^6 is hydrogen, optionally substituted C_{1-6} alkyl, optionally substituted C_{1-6} alkoxy, optionally substituted C_{1-6} haloalkyl, optionally substitutedC_{1-6} alkyl sulfonyl, optionally substituted C_{3-8} cycloalkyl sulfonyl, optionally substituted C_{6-10} aryl sulfonyl, optionally substituted C_{3-8} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{5-8} heteroaryl;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

8. The compound of any one of claims 1-7, or a pharmaceutically acceptable salt, isomer, or a mixture thereof, wherein:

(i) R^6 is hydrogen; C_{1-6} alkyl optionally substituted with 1, 2, or 3 groups which are independently hydroxy, C_{1-6} alkoxy, carboxy, amino, or C_{3-6} heterocycloalkyl; C_{1-6} alkoxy; C_{1-6} haloalkyl; C_{1-6} alkyl sulfonyl; cyclopropyl sulfonyl; cyclobutyl sulfonyl; cyclopentyl sulfonyl; cyclohexyl sulfonyl; phenyl sulfonyl wherein the phenyl is optionally substituted with 1, 2, or 3 groups which are independently halo, C_{1-6}alkyl, amino, or cyano; cyclopropyl optionally substituted with 1, 2, or 3 groups which are independently halo, C_{1-6} haloalkyl, carboxy, or hydroxyl; cyclobutyl optionally substituted with 1, 2, or 3 groups which are independently halo, C_{1-6} haloalkyl, carboxy, or hydroxyl; cyclopentyl optionally substituted with 1, 2, or 3 groups which are independently halo, C_{1-6} haloalkyl, carboxy, or hydroxyl; cyclohexyl optionally substituted with 1, 2, or 3 groups which are independently halo, C_{1-6} haloalkyl, carboxy, or hydroxyl; phenyl optionally substituted with 1, 2, or 3 groups which are independently carboxy, halo, C_{1-3} haloalkyl, C_{1-3} alkyl, cyano, $-S(O)_2OH$, $-S(O)_2CH_3$, or C_{1-3} alkoxy optionally substituted with 1, 2, or 3 groups which are independently hydroxy, carboxy, halo, or cyano; pyridinyl optionally substituted with 1, 2, or 3 groups which are independently halo, C_{1-3} haloalkyl, C_{1-3} alkyl, or cyano; isoxazolyl optionally substituted 1, 2, or 3 groups which are independently halo, C_{1-3} haloalkyl, C_{1-3} alkyl, or cyano; or tetrazolyl; and/or

(ii) R^4 is pyrimidinyl or triazinyl, wherein the pyrimidinyl and triazinyl are each optionally substituted with 1, 2, or 3 members which are independently fluoro, chloro, bromo, iodo, cyano, methyl, ethyl, propyl, fluoromethyl, difluoromethyl, trifluoromethyl, fluoroethyl, difluoroethyl, or $-NH_2$; and/or

(iii) R^3 is methyl, ethyl, propyl, butyl, cyclopropyl, cyclobutyl, or methyl substituted with phenylmethoxy or methoxy; and/or

(iv) R^5 is hydrogen, methyl, ethyl, or propyl; and/or

(v) R^5 and R^3 together with the atoms to which they are attached form a 5 membered heterocyclic ring optionally having one additional heteroatom selected from N, O, and S

wherein the 5 membered heterocyclic ring is optionally substituted with methoxy, difluoromethoxy, trifluoromethoxy, hydroxy, halo, or methylsulfonylamino; and/or

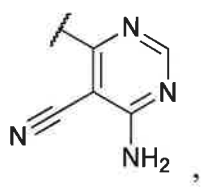
(vi) each R^1 is independently halo, cyano, C_{1-4}alkoxy, C_{1-4}haloalkyl, C_{1-4}alkyl, or C_{1-4} alkenyl; and/or

(vii) each R^2 is independently halo or C_{1-4}alkyl.

9. The compound of any one of claims 1, or 3 to 8, or a pharmaceutically acceptable salt, isomer, or a mixture thereof, wherein:

(i) R^6 is hydrogen, methyl, ethyl, propyl, butyl, (1,3-dioxolan-2-yl)methyl, 2-(dimethylamino)ethyl, 2-hydroxyethyl, 2-carboxyethyl, 2-fluoroethyl, 2,2-difluoroethyl, 2-methoxyethyl, 2,2,2-trifluoroethyl, 1-hydroxy-2-methylpropan-2-yl, 2-carboxypropan-2-yl, 2-hydroxypropyl, 3-hydroxypropyl, 3-methoxy propyl, 2,2,3,3,3-pentafluoropropyl, 3-hydroxy-2,2-dimethylpropyl, 3-hydroxy-3-methylbutyl, 4-hydroxy-2-methylbutan-2-yl, methoxy, SO_2CH_3, cyclopentanylsulfonyl, cyclopropylsulfonyl, 4-fluorophenylsulfonyl, cyclohexyl, cyclopentyl, cyclobutyl, cyclopropyl, 1-(trifluoromethyl)cyclopropyl, pyridin-3-yl, 2-trifluoromethylpyridin-3-yl, tetrazolyl, 3-(trifluoromethyl)isoxazol-5-yl, 5-(trifluoromethyl)isoxazol-3-yl, phenyl, 2-carboxyphenyl, 2-sulfinophenyl, 2-(2-carboxyethoxy)phenyl, 4-chloro-3-(trifluoromethyl)phenyl, 2-trifluoromethylphenyl, 2,6-dichlorophenyl, 2,4-difluorophenyl, 2-cyanophenyl, 2-(2-hydroxyethoxy)phenyl, 2-(methylsulfonyl)phenyl, 2-methylphenyl, 2-chlorophenyl, or 2-methoxyphenyl ;and/or

(ii) R^4 is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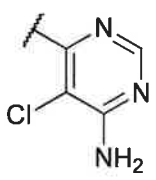
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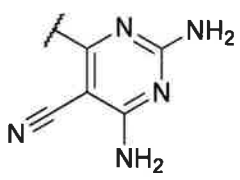
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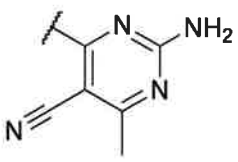
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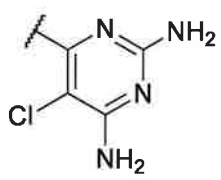
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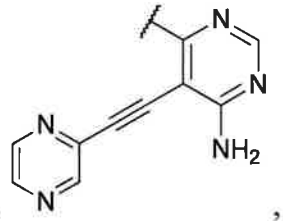
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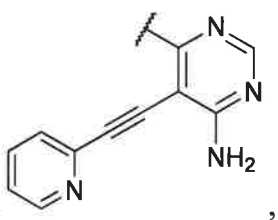
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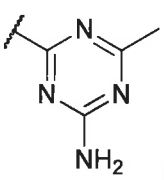
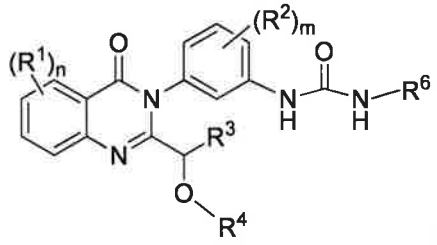

;and/or

(iii) the R^3-R^5 heterocyclic ring is pyrrolidinyl optionally substituted with fluoro, chloro, bromo, or iodo.

10. The compound of claim 1, having the structure of formula (III):



(III)

wherein:

n is 0, 1, 2, 3, or 4;

m is 0, 1, 2, 3, or 4;

each R^1 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, optionally substituted alkoxy, optionally substituted sulfonyl, optionally substituted aryl, optionally substituted heteroaryl, optionally substituted cycloalkyl, or optionally substituted heterocycloalkyl;

each R^2 is independently halo, cyano, optionally substituted alkyl, optionally substituted haloalkyl, or optionally substituted alkoxy;

R^3 is hydrogen, optionally substituted alkyl, optionally substituted cycloalkyl, or optionally substituted aryl; and

R^4 is a monocyclic heteroaryl optionally substituted with one, two, or three groups which are independently halo, cyano, optionally substituted alkyl, or $-NH_2$; and

R^6 is hydrogen, optionally substituted alkyl, optionally substituted alkoxy, optionally substituted haloalkyl, optionally substituted sulfonyl, optionally substituted cycloalkyl, optionally substituted aryl, or optionally substituted heteroaryl;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

11. The compound of claim 10, wherein

n is 0, 1, 2, or 3;

m is 0, 1, or 2;

each R^1 is independently halo, cyano, optionally substituted C_{1-6} alkyl, optionally substituted C_{1-6} alkenyl, or optionally substituted C_{1-6} alkoxy;

each R^2 is independently halo, optionally substituted C_{1-6} alkyl, or optionally substituted C_{1-6} alkoxy;

R^3 is hydrogen, optionally substituted C_{1-6} alkyl, or optionally substituted C_{3-8} cycloalkyl;

R^4 is a six- to twelve-membered monocyclic heteroaryl having 1, 2, 3, or 4 heteroatoms selected from N, O, and S, wherein the heteroaryl is optionally substituted with 1, 2, or 3 groups which are independently halo, cyano, C_{1-6} alkyl, C_{1-6}haloalkyl, or $-NH_2$; and

R^6 is hydrogen, optionally substituted C_{1-6} alkyl, optionally substituted C_{1-6} alkoxy, optionally substituted C_{1-6} haloalkyl, optionally substitutedC_{1-6} alkyl sulfonyl, optionally substitutedC_{3-8} cycloalkyl sulfonyl, optionally substituted C_{6-10} aryl sulfonyl, optionally substituted C_{3-8} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{5-8} heteroaryl;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

12. The compound of claim 10 or 11, wherein:

(i) each R^1 is independently halo, cyano, C_{1-4}alkoxy, C_{1-4}haloalkyl, C_{1-4}alkyl, or C_{1-4} alkenyl; and/or

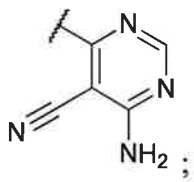
(ii) each R^1 is independently halo; and/or

(iii) each R^2 is independently halo, C_{1-4}alkoxy or C_{1-4}alkyl; and/or

(iv) each R^2 is independently s halo or C_{1-4}alkyl; and/or

(v) R^3 is methyl, ethyl, propyl, butyl, cyclopropyl, cyclobutyl, or methyl substituted with phenylmethoxy or methoxy; and/or

(v) R^4 is pyrimidinyl or triazinyl, wherein the pyrimidinyl and triazinyl are each optionally substituted with 1, 2, or 3 groups which are independently fluoro, chloro, bromo, iodo, cyano, methyl, ethyl, propyl, fluoromethyl, difluoromethyl, trifluoromethyl, fluoroethyl, difluoroethyl, or $-NH_2$; and/or

(vi) R^4 is 

;

(vii) R^5 is hydrogen, methyl, ethyl, or propyl; and/or

(viii) R^6 is hydrogen, methyl, ethyl, propyl, butyl, (1,3-dioxolan-2-yl)methyl, 2-(dimethylamino)ethyl, 2-hydroxyethyl, 2-carboxyethyl, 2-fluoroethyl, 2,2-difluoroethyl, 2-methoxyethyl, 2,2,2-trifluoroethyl, 1-hydroxy-2-methylpropan-2-yl, 2-carboxypropan-2-yl, 2-hydroxypropyl, 3-hydroxypropyl, 3-methoxy propyl, 2,2,3,3,3-pentafluoropropyl, 3-hydroxy-2,2-dimethylpropyl, 3-hydroxy-3-methylbutyl, 4-hydroxy-2-methylbutan-2-yl, methoxy, SO_2CH_3, cyclopentylsulfonyl, cyclopropylsulfonyl, 4-fluorophenylsulfonyl, cyclohexyl, cyclopentyl, cyclobutyl, cyclopropyl, 1-(trifluoromethyl)cyclopropyl, pyridin-3-yl, 2-trifluoromethylpyridin-3-yl, tetrazolyl, 3-(trifluoromethyl)isoxazol-5-yl, 5-(trifluoromethyl)isoxazol-3-yl, phenyl, 2-carboxyphenyl, 2-sulfinophenyl, 2-(2-carboxyethoxy)phenyl, 4-chloro-3-(trifluoromethyl)phenyl, 2-trifluoromethylphenyl, 2,6-dichlorophenyl, 2,4-difluorophenyl, 2-cyanophenyl, 2-(2-hydroxyethoxy)phenyl, 2-(methylsulfonyl)phenyl, 2-methylphenyl, 2-chlorophenyl, or 2-methoxyphenyl; and/or

(ix) R^6 is hydrogen, methyl, ethyl, propyl, butyl, (1,3-dioxolan-2-yl)methyl, 2-(dimethylamino)ethyl, 2-hydroxyethyl, 2-carboxyethyl, 2-fluoroethyl, 2,2-difluoroethyl, 2-methoxyethyl, 2,2,2-trifluoroethyl, 1-hydroxy-2-methylpropan-2-yl, 2-carboxypropan-2-yl, 2-hydroxypropyl, 3-hydroxypropyl, 3-methoxy propyl, 2,2,3,3,3-pentafluoropropyl, 3-hydroxy-2,2-dimethylpropyl, 3-hydroxy-3-methylbutyl, 4-hydroxy-2-methylbutan-2-yl, methoxy, SO_2CH_3, cyclopentylsulfonyl, cyclopropylsulfonyl, 4-fluorophenylsulfonyl, cyclohexyl, cyclopentyl, cyclobutyl, cyclopropyl, 1-(trifluoromethyl)cyclopropyl, pyridin-3-yl, 2-trifluoromethylpyridin-3-yl, tetrazolyl, 3-(trifluoromethyl)isoxazol-5-yl, 5-(trifluoromethyl)isoxazol-3-yl, phenyl, 2-carboxyphenyl, 2-sulfinophenyl, 2-(2-carboxyethoxy)phenyl, 4-chloro-3-(trifluoromethyl)phenyl, 2-trifluoromethylphenyl, 2,6-dichlorophenyl, 2,4-difluorophenyl, 2-cyanophenyl, 2-(2-hydroxyethoxy)phenyl, 2-(methylsulfonyl)phenyl, 2-methylphenyl, 2-chlorophenyl, or 2-methoxyphenyl.

13. The compound of claim 1, wherein the compound is selected from the group consisting of:

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)-2-methylbenzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)-2-methylbenzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)propyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)propyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(cyclopropyl((2,6-diamino-5-chloropyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(cyclopropyl((2,6-diamino-5-chloropyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(((2-amino-5-cyano-6-methylpyrimidin-4-yl)amino)(cyclopropyl)methyl)-5,8-dichloro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(((2-amino-5-cyano-6-methylpyrimidin-4-yl)amino)(cyclopropyl)methyl)-5-chloro-8-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-8-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(cyclopropyl((2,6-diamino-5-chloropyrimidin-4-yl)amino)methyl)-8-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-(2,6-diamino-5-cyanopyrimidin-4-yl)pyrrolidin-2-yl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)propyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)propyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)butyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)butyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)butyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)butyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((2-amino-5-cyano-6-(difluoromethyl)pyrimidin-4-yl)amino)ethyl)-5-chloro-8-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((2-amino-5-cyano-6-(difluoromethyl)pyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((2-amino-5-cyano-6-(difluoromethyl)pyrimidin-4-yl)amino)ethyl)-8-chloro-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-chloro-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-chloro-2-(cyclopropyl((2,6-diamino-5-chloropyrimidin-4-yl)amino)methyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-chloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)ethyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-chloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)ethyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-cyano-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)ethyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-cyano-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)propyl)-5-(difluoromethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)propyl)-5-(difluoromethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-5-(difluoromethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(8-cyano-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((6-amino-5-(pyrazin-2-ylethynyl)pyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(1-((6-amino-5-(pyridin-2-ylethynyl)pyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)propyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)propyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(5,8-dichloro-2-(1-((2,6-diamino-5-cyanopyrimidin-4-yl)amino)butyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-3-(2-(((6-amino-5-chloropyrimidin-4-yl)amino)(cyclopropyl)methyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-5-fluorobenzamide;

(S)-3-(5-chloro-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)-5-fluorobenzamide;

(S)-3-(5-chloro-2-(cyclopropyl((2,6-diamino-5-chloropyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)-5-fluorobenzamide;

(S)-5-(5-chloro-2-(cyclopropyl((2,6-diamino-5-chloropyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)nicotinamide;

(S)-5-(5-chloro-2-(cyclopropyl((2,6-diamino-5-cyanopyrimidin-4-yl)amino)methyl)-4-oxoquinazolin-3(4H)-yl)nicotinamide;

1-(3-(2-((1S,2S)-1-((6-amino-5-cyanopyrimidin-4-yl)amino)-2-methylbutyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(R)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-bromo-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(5-allyl-2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5,8-dichloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-8-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5,8-difluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxo-5-(trifluoromethyl)quinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-6-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-7-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-methyl-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-methoxy-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)(methyl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-4-chlorophenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-4-chlorophenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-4-methylphenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-4-methylphenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-8-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5,8-dichloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-8-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-8-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5,8-difluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-8-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-cyano-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

1-(3-(2-((2S,4S)-1-(6-amino-5-cyanopyrimidin-4-yl)-4-fluoropyrrolidin-2-yl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(5-(tert-butyl)isoxazol-3-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(1-(trifluoromethyl)cyclopropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2,2,2-trifluoroethyl)urea;

(S)-1-(5-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-2-fluorophenyl)-3-isopropylurea;

(S)-1-(5-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-2-fluorophenyl)-3-ethylurea;

(S)-N-((3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)carbamoyl)cyclopentanesulfonamide;

(S)-N-((3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)carbamoyl)cyclopropanesulfonamide;

(S)-1-((1,3-dioxolan-2-yl)methyl)-3-(3-(2-(1-(6-amino-5-cyanopyrimidin-4-yl)pyrrolidin-2-yl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)urea;

(S)-1-(3-(2-(1-(6-amino-5-cyanopyrimidin-4-yl)pyrrolidin-2-yl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-3-(5-chloro-2-(1-((2,6-diamino-5-chloropyrimidin-4-yl)amino)ethyl)-4-oxoquinazolin-3(4H)-yl)benzamide;

(S)-1-(3-(2-(1-(6-amino-5-cyanopyrimidin-4-yl)pyrrolidin-2-yl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(pyridin-2-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-methylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-(pyridin-2-ylethynyl)pyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((4-amino-6-methyl-1,3,5-triazin-2-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-2-chlorophenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)-2-chlorophenyl)-3-ethylurea;

(S)-2-(3-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)ureido)benzoic acid;

(S)-2-(3-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)ureido)benzenesulfonic acid;

(S)-2-(2-(3-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)ureido)phenoxy)acetic acid;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(4-chloro-3-(trifluoromethyl)phenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-chlorophenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-(trifluoromethyl)phenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2,6-dichlorophenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2,4-difluorophenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-cyanophenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(o-tolyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-chlorophenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-methoxyphenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-fluoro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-(trifluoromethyl)phenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-chloropyridin-4-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-(trifluoromethyl)pyridin-3-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(1H-tetrazol-5-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-methoxyurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-(dimethylamino)ethyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-hydroxyethyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-phenylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(pyridin-3-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-isopropylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-cyclopentylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-cyclohexylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-cyclobutylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(tert-butyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-cyclopropylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-propylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-fluoroethyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

1-(3-(2-((S)-1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-hydroxypropyl)urea;

(R)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)-2-(benzyloxy)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxypropyl)urea;

(R)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)-2-(benzyloxy)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-methoxypropyl)urea;

(S)-3-(3-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)ureido)propanoic acid;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(1-hydroxy-2-methylpropan-2-yl)urea;

(S)-2-(3-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)ureido)-2-methylpropanoic acid;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(4-hydroxy-2-methylbutan-2-yl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxy-2,2-dimethylpropyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(3-hydroxy-3-methylbutyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-(2-hydroxyethoxy)phenyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)amino)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2-(methylsulfonyl)phenyl)urea;

(S)-1-(3-(2-(1-(6-amino-5-cyanopyrimidin-4-yl)pyrrolidin-2-yl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-(2,2,2-trifluoroethyl)urea;

(S)-1-(3-(2-(1-((6-amino-5-cyanopyrimidin-4-yl)oxy)ethyl)-5-chloro-4-oxoquinazolin-3(4H)-yl)phenyl)-3-ethylurea;

or a pharmaceutically acceptable salt, isomer, or a mixture thereof.

14. The compound of any one of claims 1 to 13, wherein the compound is an atropisomer.

15. The compound of any one of claims 1-14, or a pharmaceutically acceptable salt thereof.

16. A pharmaceutical composition comprising the compound of any of claims 1 to 15, or a pharmaceutically acceptable salt, isomer, or a mixture thereof, and at least one pharmaceutically acceptable vehicle.

17. A kit comprising the compound of any of claims 1 to 15, or a pharmaceutically acceptable salt, isomer, or a mixture thereof, or a label and/or instructions for use.

18. Use of the compound, a pharmaceutically acceptable salt, isomer, or a mixture thereof of any of claims 1 to 15 for the manufacture of a medicament for treatment of a disease or condition of claim 16 by inhibiting the activity of a phosphatidylinositol 3-kinase.