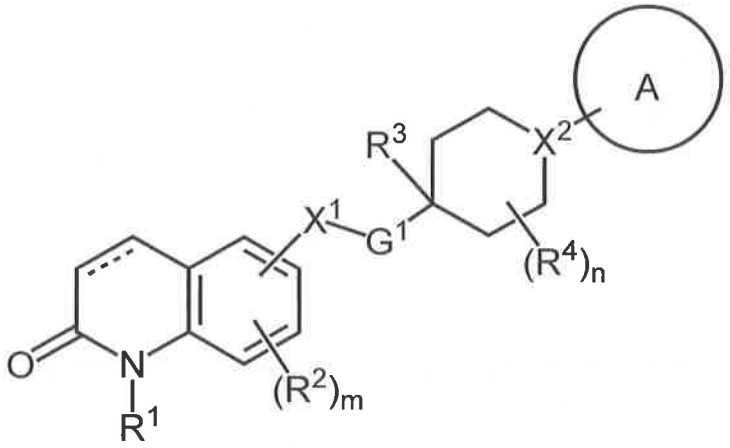
[CLAIMS]

[Claim 1]

A compound of the general formula (1):



(1)

or a salt thereof,

wherein the moiety:



represents single bond or double bond; and

wherein R^1 is

(1) hydrogen,

(2) amino which may have one or two of the same or different C_{1-6} alkyl or

(3) C_{1-6} alkyl;

R^2 is

(1) halogen,

(2) amino which may have one or two of the same or different C_{1-6} alkyl ,

(3) C_{1-6} alkyl,

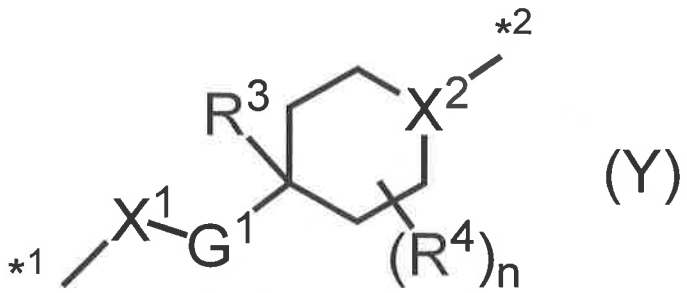
(4) C_{1-6} alkoxy or

(5) hydroxy;

m is an integer of 0 to 3;

provided that when m is 2 or 3, R^2 may be different from each other;

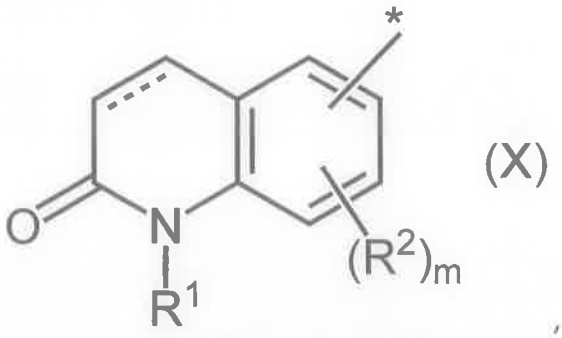
a partial structure (Y) of formula (1) is represented by the following partial structure:



(Y)

wherein *1 is a binding point to a partial structure (X) of formula (1) and *2 is a binding

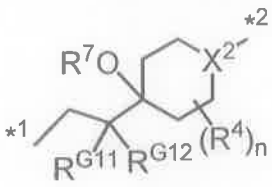
point to Ring A, and the partial structure (X) of formula (1) is represented by the following partial structure:



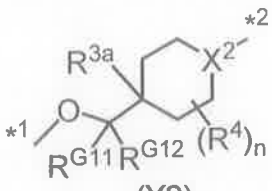
(X)

wherein * is a binding point to X^1,

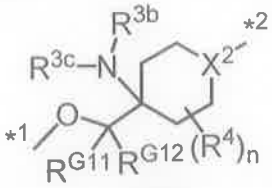
the partial structure (Y) is any one of the structures selected from the group consisting of the following formulae (Y1) to (Y8):



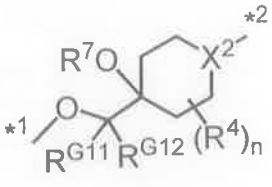
(Y1)



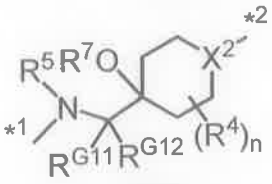
(Y2)



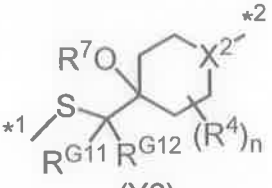
(Y3)



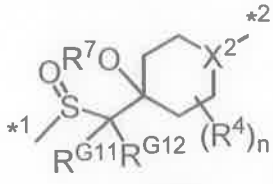
(Y4)



(Y5)

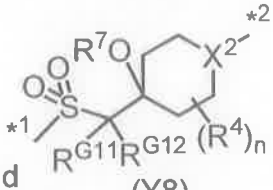


(Y6)



(Y7)

and



(Y8)

wherein R^{3a} is

(1) hydrogen,

(2) carboxy,

(3) halogen,

(4) C_{1-6} alkyl, which may have one or more hydroxy, or

(5) cyano;

R^{3b} and R^{3c} are each independently

(1) hydrogen,

(2) C_{1-6} alkyl, or

(3) $-C(=O)-R^6$;

R^{G11} and R^{G12} are each independently hydrogen or C_{1-6} alkyl;

the total number of carbon atoms in R^{G11} and R^{G12} is 0 to 5;

R^5 is

(1) hydrogen,

(2) C_{1-6} alkyl or

(3) C_{1-7} alkanoyl;

R^6 is

(1) C_{1-6} alkoxy or

(2) C_{1-6} alkyl, wherein the C_{1-6} alkyl may have amino which may have one or two of the same or different C_{1-6} alkyl;

R^7 is

(1) hydrogen,

(2) amino,

(3) C_{1-7} alkanoyl or

(4) C_{1-6} alkyl;

R^4 is

(1) amino which may have one or two of the same or different C_{1-6} alkyl,

(2) halogen,

(3) cyano,

(4) C_{1-6} alkyl,

(5) oxo,

(6) $-O-R^8$ or

(7) $-O-C(=O)-R^9$;

R^8 is

(1) hydrogen,

(2) C_{1-6} alkyl,

(3) $-PH(=O)OH$ or

(4) benzyl which may have one or more of the same or different C_{1-6} alkoxy;

R^9 is

(1) C_{1-6} alkyl,

(2) $-G^2-COOH$,

(3) amino which may have one or two of the same or different C_{1-6} alkyl,

(4) C_{1-6} alkoxy or

(5) pyrazinyl;

G^2 is C_{1-6} alkylene;

n is an integer of 0 to 8;

provided that when n is 2 or more, each of R^4, R^8, R^9, and G^2 may be different from each other and may be substituted on the same carbon atom;

X^2 is N or CH;

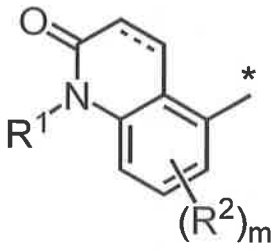
provided that when X^2 is CH, H of the group may be replaced with R^4 which is defined as above, wherein multiple R^4s in formula (1) may be the same or different from each other; and

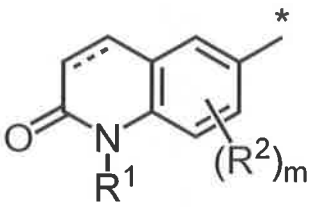
Ring A is

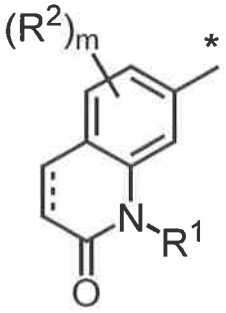
(1) aryl which may have one or more substituents, or

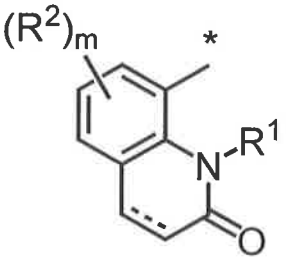
(2) heterocyclyl which may have one or more substituents.

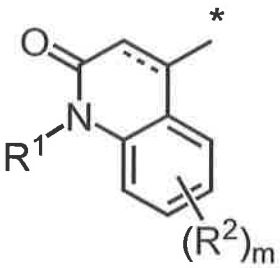
[Claim 2]
The compound of claim 1, or a salt thereof, wherein the partial structure (X) is any one of the structures selected from the group consisting of the following formulae (X1) to (X6):


(X1)

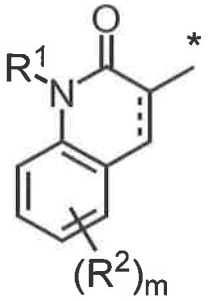

(X2)


(X3)


(X4)


(X5)

and


(X6)

wherein the symbols are as defined in the above and claim 1.

[Claim 3]
The compound of either claim 1 or 2, or a salt thereof, wherein Ring A is aryl or heterocyclyl which may have 1 to 5 substituents independently selected from:
(a) halogen;
(b) cyano;
(c) nitro;
(d) hydroxy;
(e) C_{1-6} alkyl which may have one or more substituents independently selected from:
  (i) halogen,
  (ii) hydroxy,
  (iii) C_{1-6} alkoxy, and
  (iv) aryloxy which may have one or more of the same or different halogen ;
(f) C_{1-6} alkoxy which may have one or more substituents independently selected from:
  (i) halogen,
  (ii) C1-6 alkoxy which may have one or more of the same or different C1-6 alkoxy,
  (iii) aryloxy which may have one or more of the same or different halogen ,

(iv) heterocyclyl which may have one or more of the same or different C1-6 alkyl which may have one or more of the same or different halogen, and

(v) amino which may have one or two of the same or different C_{1-6} alkyl;

(g) C_{1-6} alkoxycarbonyl;

(h) C_{1-6} alkylsulfanyl;

(i) aryl which may have one or more of the same or different halogen;

(j) aryloxy; and

(k) aralkyloxy which may have one or more substituents independently selected from:

(i) halogen,

(ii) C_{1-6} alkyl which may have one or more of the same or different halogen, and

(iii) C_{1-6} alkoxy which may have one or more of the same or different halogen.

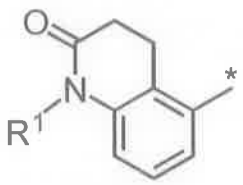
[Claim 4]
The compound of any one of claims 1 to 3, or a salt thereof, wherein R^1 is hydrogen.

[Claim 5]
The compound of any one of claims 1 to 4, or a salt thereof, wherein R^2 is halogen.

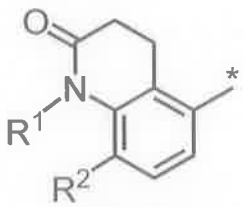
[Claim 6]
The compound of any one of claims 1 to 5, or a salt thereof, wherein m is 0, 1 or 2.

[Claim 7]
The compound of any one of claims 1 to 6, or a salt thereof, wherein n is 0, 1 or 2.

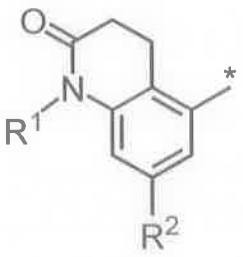
[Claim 8]
The compound of claim 1, or a salt thereof, wherein the partial structure (X) is a structure of a formula selected from the group consisting of the formulae (X1-1), (X1-2), (X1-3), (X1-4), (X1-6), and (X1-7):



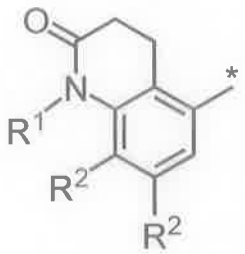
(X1-1)



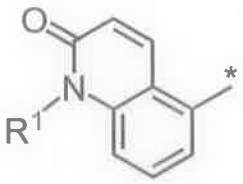
(X1-2)



(X1-3)

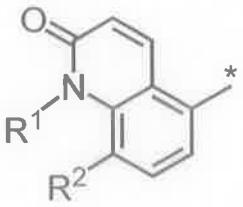


(X1-4)



(X1-6)

and



(X1-7)

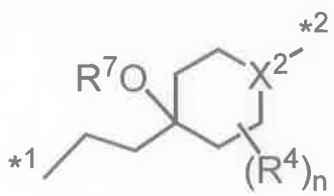
wherein * is binding point to X^1;

R^1 is hydrogen;

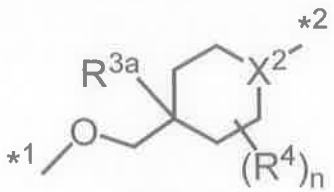
R^2 is substituent selected from (1) halogen or (2) C_{1-6} alkyl;

provided that when R^2 may be multiple, each of them may be different from each other;

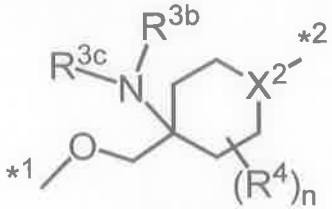
the partial structure (Y) is a structure of a formula selected from the group consisting of the formulae (Y1-1), (Y2-1), (Y3-1), (Y4-1), (Y5-1), and (Y6-1):



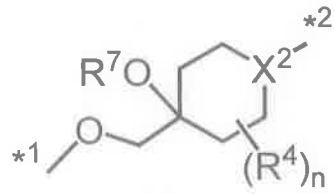
(Y1-1)



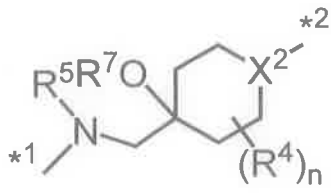
(Y2-1)



(Y3-1)

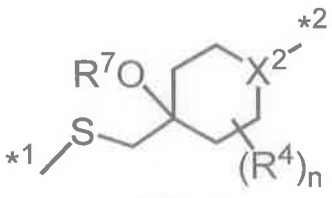


(Y4-1)



(Y5-1)

and



(Y6-1)

wherein *1 is binding point to the partial structure (X);

*2 is binding point to Ring A;

R^5 is hydrogen;

R^{3a} is (1) hydrogen or (2) halogen;

R^{3b} and R^{3c} are each hydrogen;

R^7 is hydrogen;

R^4 is substituent selected from (1) halogen, (2) -O-R^8, (3) -O-C(=O)-R^9, or (4) cyano;

R^8 is (1) hydrogen or (2) C C_{1-6} alkyl;

R^9 is (1) C_{1-6} alkyl or (2) C_{1-6} alkoxy;

n is an integer of 0 to 2;

provided that when n is 2, each of R^4, R^8, and R^9 may be different from each other and may be substituted on the same carbon atom;

X^2 is N or CH;

provided that when X^2 is CH, H of the group may be replaced with R^4 which is defined as above, wherein multiple R^4s in formula (1) may be the same or different from each other; and

Ring A is phenyl or pyridyl which may have 1 to 3 groups independently selected from:

(a) halogen;

(b) C_{1-6} alkoxy which may have (i) halogen and (ii) C_{1-6} alkoxy; or

(c) aralkyloxy which may have one or more of the same or different C_{1-6} alkoxy which may have one or more of the same or different halogen; or

quinolyl which may have 1 to 2 halogen.

[Claim 9]

The compound of claim 1, which is selected from the group consisting of the following compounds:

5-{[4-amino-1-(3,5-dichloropyridin-2-yl)piperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[4-amino-1-(4-chloro-2-fluorophenyl)piperidin-4-yl]methoxy}-8-chloro-3,4-dihydroquinolin-2(1H)-one;

5-{[4-amino-1-(4-chloro-2-fluorophenyl)piperidin-4-yl]methoxy}-8-chloroquinolin-2(1H)-one;

5-{[1-(4-chlorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-ethoxy-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

8-chloro-5-{[1-(4-chloro-2,6-difluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-bromo-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7,8-difluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}quinolin-2(1H)-one;

8-chloro-5-{[1-(3,5-dichloropyridin-2-yl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

8-fluoro-5-{[1-(2-fluoro-4-{[4-(trifluoromethoxy)benzyl]oxy}phenyl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

8-chloro-5-({1-[4-chloro-2-fluoro-5-(2-methoxyethoxy)phenyl]-4-hydroxypiperidin-4-yl}methoxy)-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(2,4-dichloro-5-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7-fluoro-8-methyl-3,4-dihydroquinolin-2(1H)-one;

8-chloro-7-fluoro-5-{[4-hydroxy-1-(2,4,6-trifluorophenyl)piperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(3,5-dichloropyridin-2-yl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4S)-1-(3,5-dichloropyridin-2-yl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-chloro-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4S)-1-(4-chloro-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(3-bromo-6-chloroquinolin-2-yl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-bromo-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4R)-1-(4-chloro-2,6-difluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4S)-1-(4-bromo-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-chloro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R*,4R*)-1-(4-bromo-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoroquinolin-2(1H)-one;

5-({[1-(3,5-dichloropyridin-2-yl)-4-hydroxypiperidin-4-yl]methyl}amino)-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(3,5-dichloropyridin-2-yl)piperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(3,5-dichloropyridin-2-yl)-4-fluoropiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R*,4R*)-1-(4-chloro-2-fluorophenyl)-3-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4S)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4R)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4S)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxypiperidin-3-yl ethyl carbonate;

(3R,4R)-1-(4-chloro-2-fluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxypiperidin-3-yl acetate;

5-({[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methyl}sulfanyl)-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{2-[1-(4-chloro-2,6-difluorophenyl)-4-hydroxypiperidin-4-yl]ethyl}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[trans-4-(4-chloro-2-fluorophenyl)-1,4-dihydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[cis-4-(4-chloro-2-fluorophenyl)-1-hydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(1R*,2R*,4R*)-4-(4-chloro-2-fluorophenyl)-1,2-dihydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(1R,2R,4S)-4-(4-chloro-2-fluorophenyl)-1,2,4-trihydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

trans-1-(4-chloro-2-fluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxycyclohexanecarbonitrile; and

5-{[trans-4-(4-chloro-2-fluorophenyl)-1-hydroxy-4-methoxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one, or a salt thereof.

[Claim 10]

The compound of claim 1, which is selected from the group consisting of the following compounds:

5-{[4-amino-1-(3,5-dichloropyridin-2-yl)piperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[4-amino-1-(4-chloro-2-fluorophenyl)piperidin-4-yl]methoxy}-8-chloro-3,4-dihydroquinolin-2(1H)-one;

5-{[4-amino-1-(4-chloro-2-fluorophenyl)piperidin-4-yl]methoxy}-8-chloroquinolin-2(1H)-one;

5-{[1-(4-chlorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-ethoxy-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

8-chloro-5-{[1-(4-chloro-2,6-difluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-bromo-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7,8-difluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}quinolin-2(1H)-one;

8-chloro-5-{[1-(3,5-dichloropyridin-2-yl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

8-fluoro-5-{[1-(2-fluoro-4-{[4-(trifluoromethoxy)benzyl]oxy}phenyl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

8-chloro-5-({1-[4-chloro-2-fluoro-5-(2-methoxyethoxy)phenyl]-4-hydroxypiperidin-4-yl}methoxy)-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(2,4-dichloro-5-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7-fluoro-8-methyl-3,4-dihydroquinolin-2(1H)-one;

8-chloro-7-fluoro-5-{[4-hydroxy-1-(2,4,6-trifluorophenyl)piperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(3,5-dichloropyridin-2-yl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4S)-1-(3,5-dichloropyridin-2-yl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-chloro-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4S)-1-(4-chloro-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(3-bromo-6-chloroquinolin-2-yl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-bromo-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4R)-1-(4-chloro-2,6-difluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4S)-1-(4-bromo-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-chloro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R*,4R*)-1-(4-bromo-2-fluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoroquinolin-2(1H)-one;

5-({[1-(3,5-dichloropyridin-2-yl)-4-hydroxypiperidin-4-yl]methyl}amino)-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(3,5-dichloropyridin-2-yl)piperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[1-(3,5-dichloropyridin-2-yl)-4-fluoropiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R*,4R*)-1-(4-chloro-2-fluorophenyl)-3-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4S)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4R)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(3S,4S)-1-(4-chloro-2,6-difluorophenyl)-3-fluoro-4-hydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxypiperidin-3-yl ethyl carbonate;

(3R,4R)-1-(4-chloro-2-fluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxypiperidin-3-yl acetate;

5-({[1-(4-chloro-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methyl}sulfanyl)-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{2-[1-(4-chloro-2,6-difluorophenyl)-4-hydroxypiperidin-4-yl]ethyl}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[trans-4-(4-chloro-2-fluorophenyl)-1,4-dihydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[cis-4-(4-chloro-2-fluorophenyl)-1-hydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(1R*,2R*,4R*)-4-(4-chloro-2-fluorophenyl)-1,2-dihydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

5-{[(1R,2R,4S)-4-(4-chloro-2-fluorophenyl)-1,2,4-trihydroxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one;

trans-1-(4-chloro-2-fluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxycyclohexanecarbonitrile; and

5-{[trans-4-(4-chloro-2-fluorophenyl)-1-hydroxy-4-methoxycyclohexyl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one.

[Claim 11]
The compound of claim 1, which is 8-chloro-5-{[1-(4-chloro-2,6-difluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one, or a salt thereof.

[Claim 12]
The compound of claim 1, which is 8-chloro-5-{[1-(4-chloro-2,6-difluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-3,4-dihydroquinolin-2(1H)-one.

[Claim 13]
The compound of claim 1, which is 5-{[1-(4-bromo-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7,8-difluoro-3,4-dihydroquinolin-2(1H)-one, or a salt thereof.

[Claim 14]
The compound of claim 1, which is 5-{[1-(4-bromo-2-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7,8-difluoro-3,4-dihydroquinolin-2(1H)-one.

[Claim 15]
The compound of claim 1, which is 5-{[1-(2,4-dichloro-5-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7-fluoro-8-methyl-3,4-dihydroquinolin-2(1H)-one, or a salt thereof.

[Claim 16]
The compound of claim 1, which is 5-{[1-(2,4-dichloro-5-fluorophenyl)-4-hydroxypiperidin-4-yl]methoxy}-7-fluoro-8-methyl-3,4-dihydroquinolin-2(1H)-one.

[Claim 17]
The compound of claim 1, which is 5-{[(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one, or a salt thereof.

[Claim 18]
The compound of claim 1, which is 5-{[(3R,4R)-1-(4-chloro-2,6-difluorophenyl)-3,4-dihydroxypiperidin-4-yl]methoxy}-8-fluoro-3,4-dihydroquinolin-2(1H)-one.

[Claim 19]
The compound of claim 1, which is (3R,4R)-1-(4-chloro-2-fluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxypiperidin-3-yl acetate, or a salt thereof.

[Claim 20]
The compound of claim 1, which is (3R,4R)-1-(4-chloro-2-fluorophenyl)-4-{[(8-fluoro-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl)oxy]methyl}-4-hydroxypiperidin-3-yl acetate.

[Claim 21]
A pharmaceutical composition, comprising the compound of any one of claims 1 to 20, or a salt thereof and a pharmaceutically acceptable carrier.

[Claim 22]
An agent for diagnosing, preventing, and/or treating tuberculosis, comprising the compound of any one of claims 1 to 20, or a salt thereof and a pharmaceutically acceptable carrier.

[Claim 23]
The compound of any one of claims 1 to 20, or a salt thereof, for use in the diagnosis, prevention, and/or treatment of tuberculosis.

[Claim 24]
The compound of any one of claims 1 to 20, for use as a medicament.

[Claim 25]
Use of the compound of any one of claims 1 to 20 in the manufacture of a medicament for the diagnosis, prevention, and/or treatment of tuberculosis.