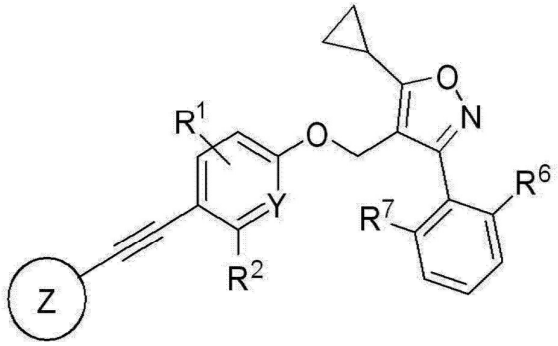
【CLAIMS】

【Claim 1】

A compound represented by Formula I; or racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof

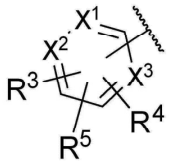
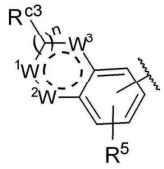
[Formula I]



wherein,

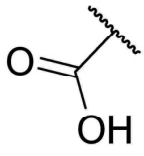
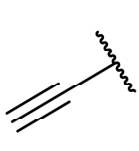
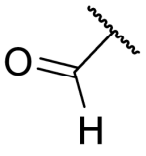
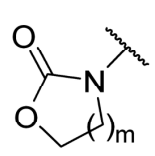
Y is carbon or nitrogen,

R^1 and R^2 are each independently hydrogen, halo or trifluoromethyl,

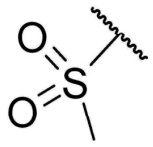
Z is  or ,

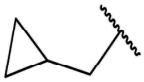
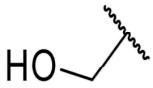
n is 0, 1 or 2,

X^1, X^2 and X^3 are each independently carbon or nitrogen,

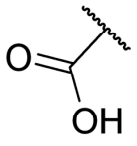
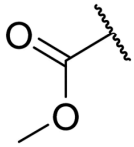
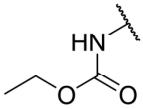
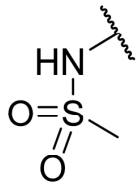
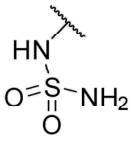
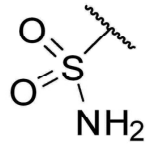
R^3 and R^4 are each independently hydrogen, halo, cyano, C_{1-6} alkyl, C_{3-6} cycloalkyl, halo C_{1-6} alkyl, , , , , $CONR^{a1}R^{a2}$, $NR^{a1}R^{a2}$, $CH_2NR^{a1}R^{a2}$, CH_2R^{c3}, COR^{a3}, OR^{a3}, $NR^{a4}COR^{a3}$, $NR^{a4}CO_2R^{a3}$, $NHCONHR^{a3}$, $NHSO_2R^{a3}$ or 3- or 8- membered heterocycles containing one or two oxygen or nitrogen atom(s) therein,

wherein, m is 1 or 2,

R^{a1} and R^{a2} are each independently hydrogen, C_{1-6} alkyl, C_{3-6} cycloalkyl, halo C_{1-6} alkyl,  or 3- or 8- membered heterocycles containing one or two oxygen or nitrogen atom(s) therein,

R^{a3} is hydrogen, C_{1-6} alkyl, C_{3-6} cycloalkyl, halo C_{1-6} alkyl, , ,  or 3- or 8- membered heterocycles containing one or two oxygen or nitrogen atom(s) therein,

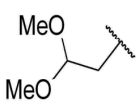
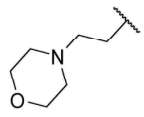
R^{a4} is hydrogen or C_{1-6} alkyl,

R^5 is hydrogen, , , , ,  or ,

R^6 and R^7 are each independently hydrogen, halo, trifluoromethyl or trifluoromethoxy,

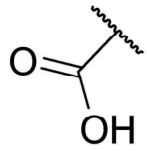
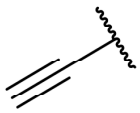
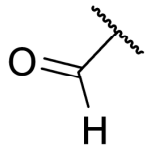
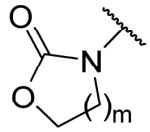
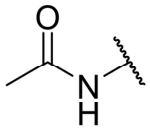
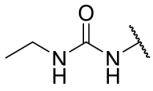
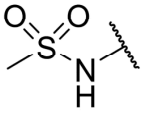
R^{c3} is hydrogen, halo, C_{1-6} alkyl or C_{3-6} cycloalkyl, and

W^1, W^2 and W^3 are each independently oxygen, nitrogen, CHR^{w1}, CR^{w1}, NR^{w1} or CO,

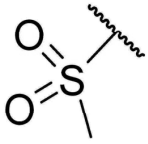
wherein, R^{w1} is hydrogen, halo, C_{1-6} alkyl, C_{3-6} cycloalkyl, halo C_{1-6} alkyl, C_{1-6} alkylamine, C_{1-6} alkyl alcohol, ,  $(CH_2)_p$ heteroaryl or $(CH_2)_p$ aryl, wherein, p is 1, 2 or 3.

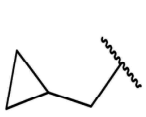
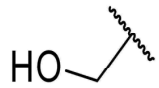
【Claim 2】

The compound according to claim 1,

R^3 and R^4 are each independently hydrogen, halo, cyano, C_{1-6} alkyl, C_{3-6} cycloalkyl, trifluoromethyl, , , , , $NR^{a1}R^{a2}$, $CH_2NR^{a1}R^{a2}$, OR^{a3}, , $NR^{a4}CO_2R^{a3}$, ,  or 3- or 8- membered heterocycles containing one or two oxygen or nitrogen atom(s) therein,

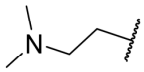
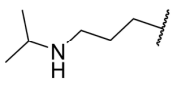
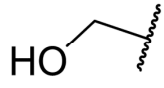
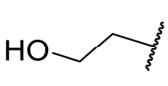
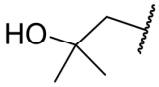
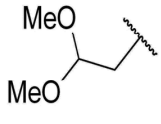
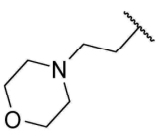
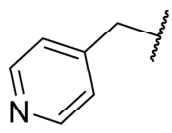
wherein, m is 1 or 2,

R^{a1} and R^{a2} are each independently hydrogen, methyl, ethyl, isopropyl, tert-butyl, cyclopropyl, trifluoroethyl, , azetidine or piperidine,

R^{a3} is hydrogen, methyl, ethyl, propyl, tert-butyl, cyclopropyl, trifluoromethyl, , , , azetidine, piperidine, piperazine or morpholine,

R^{a4} is hydrogen or methyl,

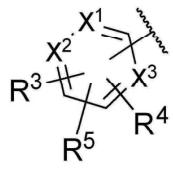
R^{c3} is hydrogen or methyl, and

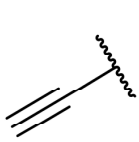
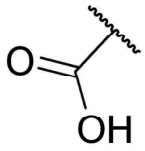
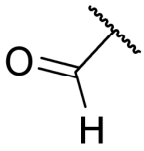
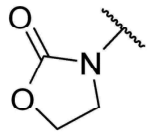
R^{w1} is hydrogen, methyl, ethyl, propyl, cyclopropyl, , , , , , ,  or ; or racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof.

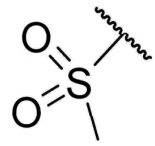
【Claim 3】

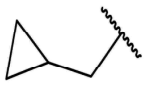
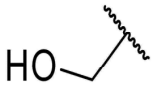
The compound according to claim 1,

R^1 and R^2 are each independently hydrogen, chloro or trifluoromethyl,

wherein, when the Z is ,

R^3 and R^4 are each independently hydrogen, chloro, fluoro, iodo, cyano, methyl, ethyl, isopropyl, cyclopropyl, trifluoromethyl, , , , , $NR^{a1}R^{a2}$, $CH_2NR^{a1}R^{a2}$, $NR^{a4}CO_2R^{a3}$, azetidine, piperazine or pyrrolidine,

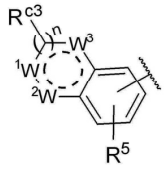
wherein, R^{a1} and R^{a2} are each independently hydrogen, methyl, ethyl, isopropyl, tert-butyl, cyclopropyl, trifluoroethyl, , azetidine, piperidine or oxetane,

R^{a3} is hydrogen, methyl, ethyl, tert-butyl, cyclopropyl, trifluoromethyl, , , , azetidine, piperidine, piperazine or morpholine, and

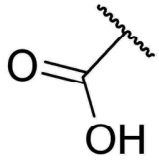
R^{a4} is hydrogen, methyl or ethyl; or racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof.

【Claim 4】

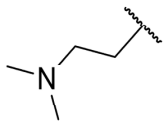
The compound according to claim 1, R^1 and R^2 are each independently hydrogen, chloro or fluoro,

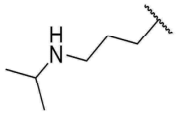
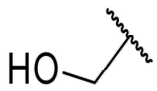
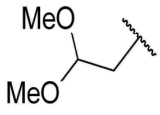
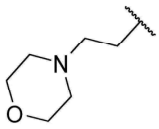
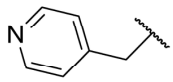
wherein, when the Z is  ,

n is 0 or 1,

R^5 is  , and

W^1, W^2 and W^3 are each independently oxygen, nitrogen, CR^{w1} or NR^{w1},

wherein, R^{w1} is hydrogen, methyl, ethyl, isopropyl, cyclopropyl,  ,

 ,  ,  ,  or  ; or racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof.

【Claim 5】

The compound according to claim 1, wherein, the compound represented by Formula I is selected from the group consisting of following compounds; or racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof:

4-((4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)-2-(trifluoromethyl)phenyl)ethynyl)benzoic acid;

4-((4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)-2-(trifluoromethyl)phenyl)ethynyl)benzoic acid;

4-((3-chloro-4-(phenylethynyl)phenoxy)methyl)-5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazole;

methyl 3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoate;

methyl 3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((ethoxycarbonyl)amino)benzoate;

methyl 3-((tert-butoxycarbonyl)amino)-5-((2-chloro-4-((5-cyclopropyl- 3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoate;

methyl 3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((ethoxycarbonyl)(methyl)amino)benzoate;

ethyl (3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)phenyl)carbamate;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzenesulfonamide;

N-(3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)phenyl)methanesulfonamide;

N-(3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)phenyl)sulfamide;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)nicotinic acid;

2-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)isonicotinic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)picolinic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)nicotinic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(dimethylamino)benzoic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-3-(dimethylamino)benzoic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-(dimethylamino)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(diethylamino)benzoic acid;

3-amino-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-4-(dimethylamino)benzoic acid;

3-chloro-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

4-chloro-3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

2-chloro-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-fluorobenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(trifluoromethyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-ethynylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-cyanobenzoic acid;

3-((2,6-dichloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

2-chloro-3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-fluorobenzoic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-fluorobenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-4-fluorobenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(trifluoromethoxy)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-methoxybenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-formylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((cyclopropylamino)methyl)benzoic acid;

3-(azetidin-1-ylmethyl)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((methylamino)methyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((ethylamino)methyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(((2,2,2-trifluoroethyl)amino)methyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((isopropylamino)methyl)benzoic acid;

3-((tert-butylamino)methyl)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((dimethylamino)methyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(morpholinomethyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((oxetan-3-ylamino)methyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(methylamino)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(ethylamino)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(isopropylamino)benzoic acid;

3-(azetidin-1-yl)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(pyrrolidin-1-yl)benzoic acid;

3-(azetidin-3-ylamino)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid hydrochloride;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(piperidin-4-ylamino)benzoic acid hydrochloride;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(piperazin-1-yl)benzoic acid hydrochloride;

3-amino-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-4-methylbenzoic acid;

3-amino-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-4-methoxybenzoic acid;

3-amino-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-methoxybenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-methylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-cyclopropylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-ethylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-isopropylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-iodobenzoic acid;

3-((2,5-dichloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2,3-dichloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)-6-fluorophenyl)ethynyl)benzoic acid;

3-amino-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-methylbenzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(3-ethylureido)benzoic acid;

3-acetamido-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((ethoxycarbonyl)amino)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((ethoxycarbonyl)(methyl)amino)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-((cyclopropoxycarbonyl)amino)benzoic acid;

3-((tert-butoxycarbonyl)amino)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((tert-butoxycarbonyl)(methyl)amino)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(((cyclopropylmethoxy)carbonyl)amino)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(((2-cyclopropylethoxy)carbonyl)amino)benzoic acid;

3-(((azetidin-3-yloxy)carbonyl)amino)-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(2-oxooxazolidin-3-yl)benzoic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)isophthalic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(piperazine-1-carbonyl)benzoic acid hydrochloride;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(methylsulfonamido)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2-(trifluoromethyl)phenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

3-((2-chloro-4-((5-cyclopropyl-3-(2-(trifluoromethoxy)phenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzoic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1H-indazole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1H-benzo[d]imidazole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1H-indole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(2-(dimethylamino)ethyl)-1H-indole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(3-(isopropylamino)propyl)-1H-indole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(pyridin-4-ylmethyl)-1H-indole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(2-morpholinoethyl)-1H-indole-6-carboxylic acid hydrochloride;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(2,2-dimethoxyethyl)-1H-indole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(2-hydroxyethyl)-1H-indole-6-carboxylic acid;

4-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1-(2-hydroxy-2-methylpropyl)-1H-indole-6-carboxylic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1H-indazole-4-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl) isoxazol-4-yl)methoxy)phenyl)ethynyl)-2,3-dihydrobenzofuran-7-carboxylic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-1H-indole-4-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzo[d]oxazole-7-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-methylbenzo[d]oxazole-7-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-ethylbenzo[d]oxazole-7-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-propylbenzo[d]oxazole-7-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-isopropylbenzo[d]oxazole-7-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-(hydroxymethyl)benzo[d]oxazole-7-carboxylic acid;

7-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)quinoxaline-5-carboxylic acid;

7-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2,3-dimethylquinoxaline-5-carboxylic acid;

5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-cyclopropylbenzo[d]oxazole-7-carboxylic acid;

2-butyl-5-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)benzo[d]oxazole-7-carboxylic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-methylbenzo[d]oxazole-4-carboxylic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-ethylbenzo[d]oxazole-4-carboxylic acid;

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-propylbenzo[d]oxazole-4-carboxylic acid; and

6-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-2-isopropylbenzo[d]oxazole-4-carboxylic acid.

【Claim 6】

A pharmaceutical composition for the treatment or amelioration of metabolic diseases, cholestatic Liver Diseases and Organ Fibrosis comprising the compound

according to claim 1; racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof and an excipient.

【Claim 7】

The pharmaceutical composition according to claim 6,

wherein, the metabolic diseases, cholestatic Liver Diseases and Organ Fibrosis are treated or ameliorated by activation of FXR receptors.

【Claim 8】

The pharmaceutical composition according to claim 6,

wherein, the metabolic diseases, cholestatic Liver Diseases and Organ Fibrosis are selected from the group consisting of hypercholesterolemia, hyperlipoproteinemia, hypertriglyceridemia, dyslipidemia, lipodystrophy, cholestasis/fibrosis, cholesterol gallstone disease, gastrointestinal disease or condition, hyperglycemia, diabetes, insulin resistance, metabolic inflexibility, nephropathy, liver diseases, atherosclerosis, cancer, inflammatory disorders, osteoporosis and skin aging.

【Claim 9】

The compound according to any one of claims 1 to 5; racemate, enantiomer, diastereoisomer thereof; or pharmaceutically acceptable salt thereof for use in the treatment or amelioration of metabolic diseases, cholestatic liver diseases and organ fibrosis.

【Claim 10】

The compound for use according to claim 9, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are treated or ameliorated by activation of FXR receptors.

【Claim 11】

The compound for use according to claim 9 or 10, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are selected from the group consisting of hypercholesterolemia, hyperlipoproteinemia, hypertriglyceridemia, dyslipidemia, lipodystrophy, cholestasis/fibrosis, cholesterol gallstone disease, gastrointestinal disease or condition, hyperglycemia, diabetes, insulin resistance, metabolic inflexibility, nephropathy, liver diseases, atherosclerosis, cancer, inflammatory disorders, osteoporosis and skin aging.

【Claim 12】

Use of the compound according to any one of claims 1 to 5; racemate, enantiomer, diastereoisomer thereof; or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment or amelioration of metabolic diseases, cholestatic liver diseases and organ fibrosis.

【Claim 13】

The use according to claim 12, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are treated or ameliorated by activation of FXR receptors.

【Claim 14】

The use according to claim 13 or 14, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are selected from the group consisting of hypercholesterolemia, hyperlipoproteinemia, hypertriglyceridemia, dyslipidemia, lipodystrophy, cholestasis/fibrosis, cholesterol gallstone disease, gastrointestinal disease or condition, hyperglycemia, diabetes, insulin resistance, metabolic inflexibility, nephropathy, liver diseases, atherosclerosis, cancer, inflammatory disorders, osteoporosis and skin aging.

【Claim 15】

A compound selected from:

4-((3-chloro-4-ethynylphenoxy)methyl)-5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazole;

3-((2-chloro-4-((5-cyclopropyl-3-(2,6-dichlorophenyl)isoxazol-4-yl)methoxy)phenyl)ethynyl)-5-(((2-hydroxyethoxy)carbonyl)amino)benzoic acid; or

racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof.

【Claim 16】

A pharmaceutical composition for the treatment or amelioration of metabolic diseases, cholestatic Liver Diseases and Organ Fibrosis comprising the compound according to claim 15, racemate, enantiomer, diastereoisomer thereof, or pharmaceutically acceptable salt thereof and a carrier.

【Claim 17】

The pharmaceutical composition according to claim 16,

wherein, the metabolic diseases, cholestatic Liver Diseases and Organ Fibrosis are treated or ameliorated by activation of FXR receptors.

【Claim 18】

The pharmaceutical composition according to claim 16,

wherein, the metabolic diseases, cholestatic Liver Diseases and Organ Fibrosis are selected from the group consisting of hypercholesterolemia, hyperlipoproteinemia, hypertriglyceridemia, dyslipidemia, lipodystrophy, cholestasis/fibrosis, cholesterol gallstone disease, gastrointestinal disease or condition, hyperglycemia, diabetes, insulin resistance, metabolic inflexibility, nephropathy, liver diseases, atherosclerosis, cancer, inflammatory disorders, osteoporosis and skin aging.

【Claim 19】

The compound according to claim 15; racemate, enantiomer, diastereoisomer thereof; or pharmaceutically acceptable salt thereof for use in the treatment or amelioration of metabolic diseases, cholestatic liver diseases and organ fibrosis.

【Claim 20】

The compound for use according to claim 19, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are treated or ameliorated by activation of FXR receptors.

【Claim 21】

The compound for use according to claim 19 or 20, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are selected from the group consisting of hypercholesterolemia, hyperlipoproteinemia, hypertriglyceridemia, dyslipidemia, lipodystrophy, cholestasis/fibrosis, cholesterol gallstone disease, gastrointestinal disease or condition, hyperglycemia, diabetes, insulin resistance, metabolic inflexibility, nephropathy, liver diseases, atherosclerosis, cancer, inflammatory disorders, osteoporosis and skin aging.

【Claim 22】

Use of the compound according to claim 15; racemate, enantiomer, diastereoisomer thereof; or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment or amelioration of metabolic diseases, cholestatic liver diseases and organ fibrosis.

【Claim 23】

The use according to claim 22, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are treated or ameliorated by activation of FXR receptors.

【Claim 24】

The use according to claim 23 or 24, wherein the metabolic diseases, cholestatic liver diseases and organ fibrosis are selected from the group consisting of hypercholesterolemia, hyperlipoproteinemia, hypertriglyceridemia, dyslipidemia, lipodystrophy, cholestasis/fibrosis, cholesterol gallstone disease, gastrointestinal disease or condition, hyperglycemia, diabetes, insulin resistance, metabolic inflexibility, nephropathy, liver diseases, atherosclerosis, cancer, inflammatory disorders, osteoporosis and skin aging.