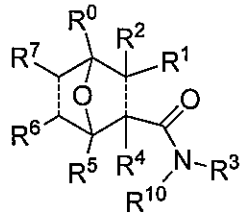
THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A compound of Formula IA:



IA

or a pharmaceutically acceptable salt, or stereoisomer thereof; wherein

"-----" represents a single or double bond;

R^0 is selected from hydrogen and C_{1-6}alkyl;

R^1 is selected from cyano, 6-membered heterocycloalkyl, 6-membered heterocyclyl, phenyl, and 5- to 9-membered heteroaryl, wherein

the heterocycloalkyl, heterocyclyl, phenyl, or heteroaryl of R^1 is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, cyano, C_{1-6}alkyl, C_{1-6}haloalkyl, $-C(O)R^{13}$, $-C(O)OR^{13}$, $-NR^{14a}R^{14b}$, 5- and 6-membered heterocycloalkyl, phenyl, and 5- and 6-membered heteroaryl; wherein

R^{13} is selected from C_{1-6}alkyl, amino, and C_{1-6}alkylamino;

R^{14a} and R^{14b} are each independently selected from hydrogen, C_{1-6}alkyl, $-C(O)R^{15}$, $-C(O)OR^{15}$, and $-S(O)_2R^{15}$, wherein R^{15} is hydrogen or C_{1-6}alkyl; and

the heterocycloalkyl, phenyl or heteroaryl substituent of R^1 is unsubstituted or further substituted by 1 to 2 substituents independently selected from halo, hydroxy, C_{1-6}alkyl, and C_{1-6}haloalkyl;

R^3 is selected from C_{1-6}alkyl, C_{1-6}haloalkyl, 5- and 6-membered cycloalkyl, , 5- and 6-membered heterocycloalkyl, 6- and 10-membered heterocyclyl, phenyl, and 5- and 6-membered heteroaryl, wherein

the cycloalkyl, heterocycloalkyl, heterocyclyl, phenyl, or heteroaryl of R^3 is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, cyano, C_{1-6}alkyl, C_{1-6}haloalkyl, C_{1-6}alkoxy, C_{1-6}haloalkoxy, $-C(O)R^{16}$, $-C(O)OR^{16}$, $-S(O)_2R^{16}$, 5- and 6-membered heterocycloalkyl, and phenyl; wherein

R^{16} is hydrogen or C_{1-6}alkyl;

the phenyl or heterocycloalkyl substituent of R^3 is unsubstituted or further substituted by 1 to 2 substituents independently selected from halo, and cyano; and

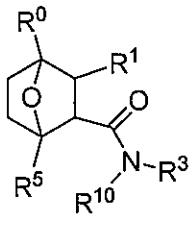
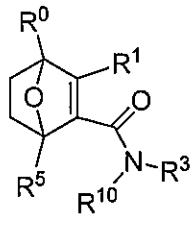
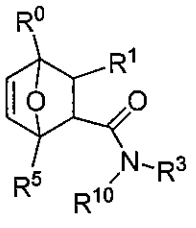
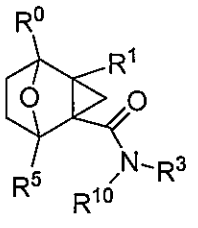
R^2 and R^4 are each hydrogen or C_{1-6}alkyl; or R^2 and R^4 taken together form a cyclopropyl ring fused to the bicyclic ring; or R^2 and R^4 taken together form a bond producing a double bond between the two carbons to which R^2 and R^4 are attached;

R^5 is hydrogen or C_{1-6}alkyl, or R^5 and R^{10} taken with the atoms to which they are linked form a 5- or 6-membered ring fused to the bicyclic ring;

R^6 and R^7 are each hydrogen or C_{1-6}alkyl; or R^6 and R^7 taken together form a bond producing a double bond between the two carbons to which R^6 and R^7 are attached; and

R^{10} is hydrogen or C_{1-6}alkyl.

2. The compound according to claim 1, wherein the compound is of a formula selected from:


IA_1,

IA_2,

IA_3, and

IA_4.

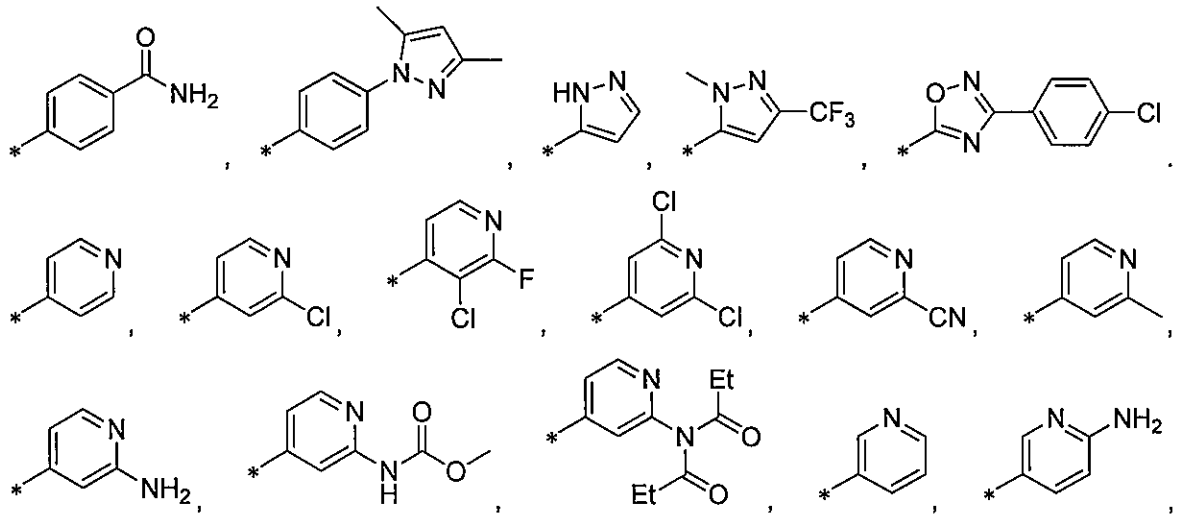
3. The compound according to any one of claims 1 to 2, wherein R^1 is phenyl or 5- or 6-membered heteroaryl, wherein the phenyl or heteroaryl is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, cyano, C_{1-6}alkyl, C_{1-6}haloalkyl, $-C(O)R^{13}$, $-C(O)OR^{13}$, $-NR^{14a}R^{14b}$, 5- and 6-membered heterocycloalkyl, phenyl, and 5- and 6-membered heteroaryl, wherein

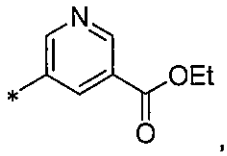
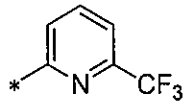
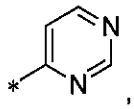
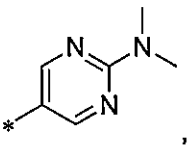
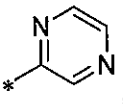
R^{13} is selected from C_{1-6}alkyl, amino, and C_{1-6}alkylamino;

R^{14a} and R^{14b} are each independently selected from hydrogen, C_{1-6}alkyl, $-C(O)R^{15}$, and $-C(O)OR^{15}$, wherein R^{15} is C_{1-6}alkyl; and

the heterocycloalkyl, phenyl or heteroaryl substituent of R^1 is unsubstituted or further substituted by 1 to 2 substituents independently selected from hydroxy, halo, C_{1-6}alkyl, and C_{1-6}haloalkyl.

4. The compound according to any one of claims 1 to 2, wherein R^1 is selected from







, and

, wherein "*" represents the point of attachment of R^1 to the bicyclic core ring.

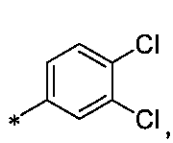
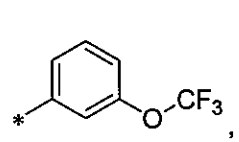
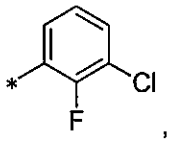
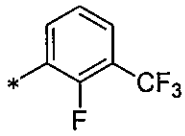
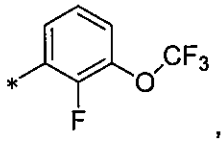
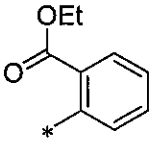
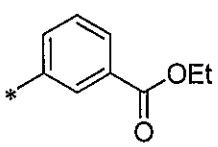
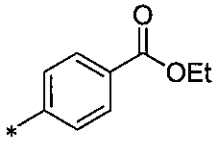
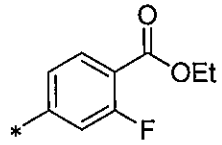
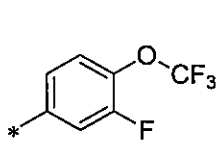
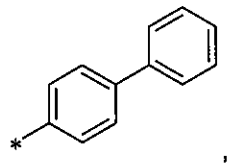
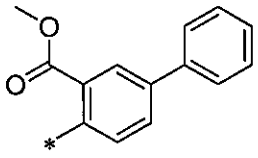
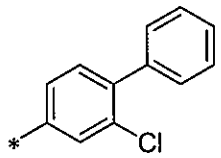
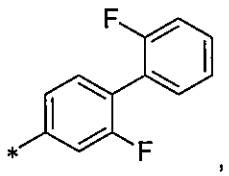
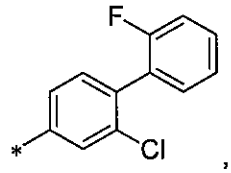
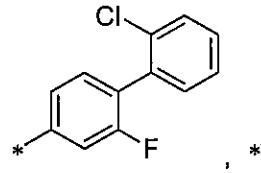
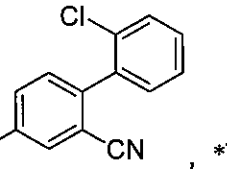
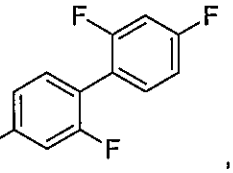
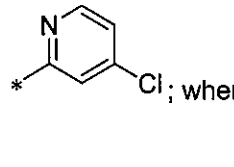
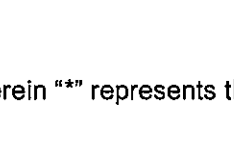
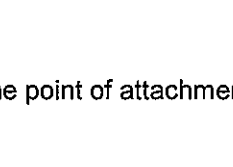
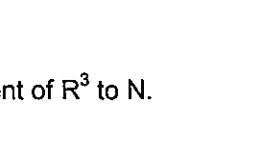
5. The compound according to any one of claims 1 to 4, wherein R^3 is phenyl or 5- or 6-membered heteroaryl, wherein

the phenyl or heteroaryl of R^3 is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, cyano, $C_{1\text{-}6}$alkyl, $C_{1\text{-}6}$haloalkyl, $C_{1\text{-}6}$alkoxy, $C_{1\text{-}6}$haloalkoxy, $-C(O)R^{16}$, $-C(O)OR^{16}$, $-S(O)_2R^{16}$, 5- and 6-membered heterocycloalkyl, and phenyl; wherein

R^{16} is $C_{1\text{-}6}$alkyl; and

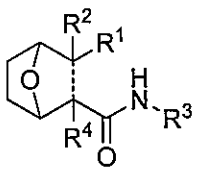
the phenyl or heterocycloalkyl substituent of R^3 is unsubstituted or further substituted by 1 to 2 substituents independently selected from halo or cyano.

6. The compound according to any one of claims 1 to 4, wherein R^3 is selected from:























, and

; wherein "*" represents the point of attachment of R^3 to N.

7. The compound according to claim 1, wherein the compound is of Formula 1B:



IB

or a pharmaceutically acceptable salt, or a stereoisomer thereof, wherein

"-----" represents a single or double bond;

R^1 is phenyl or 5- or 6-membered heteroaryl, wherein

the phenyl or heteroaryl of R^1 is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, cyano, C_{1-6}alkyl, C_{1-4}haloalkyl, -$C(O)R^{13}$, -$C(O)OR^{13}$, -$NR^{14a}R^{14b}$, 5- and 6-membered heterocycloalkyl, phenyl, and 5- and 6-membered heteroaryl, wherein

R^{13} is C_{1-6}alkyl or amino;

R^{14a} and R^{14b} are independently is selected from hydrogen, C_{1-6}alkyl, -$C(O)R^{15}$, and -$C(O)OR^{15}$, wherein R^{15} is C_{1-4}alkyl; and

the heterocycloalkyl, phenyl, or heteroaryl substituent of R^1 is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, hydroxy, and C_{1-6}alkyl;

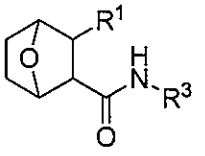
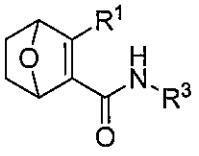
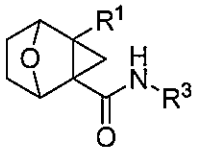
R^3 is phenyl or 5- or 6-membered heteroaryl, wherein the phenyl or heteroaryl is unsubstituted or substituted by 1 to 2 substituents independently selected from halo, cyano, C_{1-6}alkyl, C_{1-6}haloalkyl, C_{1-6}alkoxy, C_{1-6}haloalkoxy, -$C(O)R^{16}$, -$C(O)OR^{16}$, 5- and 6-membered heterocycloalkyl, and phenyl, wherein

R^{16} is C_{1-6}alkyl; and

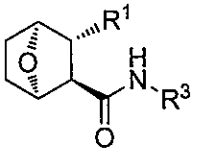
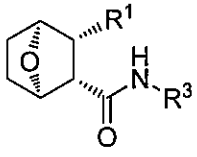
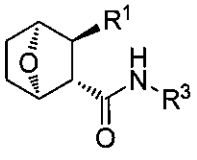
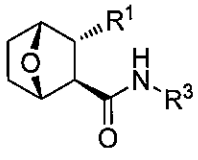
the heterocycloalkyl or phenyl is unsubstituted or substituted by 1 to 2 substituents selected from halo and cyano;

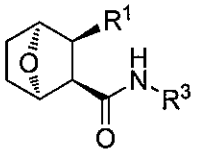
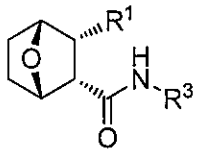
R^2 and R^4 are independently hydrogen or C_{1-6}alkyl, or R^2 and R^4 taken together form a cyclopropyl fused to the bicyclic ring, or R^2 and R^4 taken together form a bond, producing a double bond between the two carbons to which R^2 and R^4 are attached.

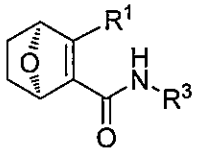
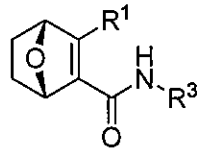
8. The compound of claim 7, wherein the compound is of a formula selected from

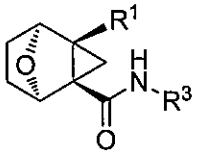
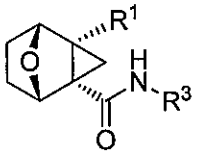

IB1,

IB2, and

IB3.

9. The compound according to claim 7 or claim 8, wherein the compound is of a formula selected from the formulae:


IB1a;

IB1c;

IB1b;

IB1b';


IB1d;

IB1d'

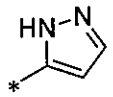
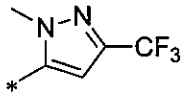
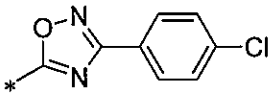
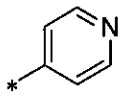
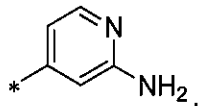
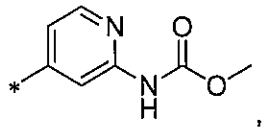
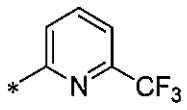
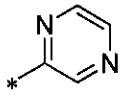

IB2;

IB2';


IB3b; and

IB3b'.

10. The compound according to any one of claims 7 to 9, wherein R^1 is a 5 or 6 membered heteroaryl, unsubstituted or substituted by 1 to 2 substituents independently selected from halo, C_{1-4}alkyl, C_{1-4}haloalkyl, and NHR^{14b}, wherein R^{14b} is hydrogen or C_{1-4}alkyl.

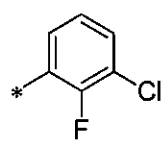
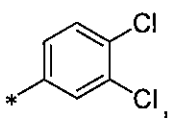
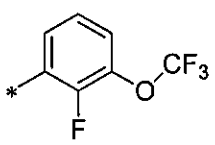
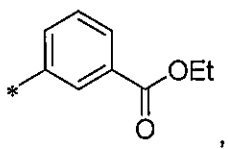
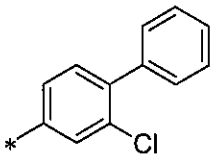
11. The compound according to any one of claims 7 to 9, wherein R^1 is selected from pyrazolyl, oxadiazolyl, pyridinyl, pyrimidinyl and pyrazinyl, wherein the pyrazolyl, pyridinyl, pyrimidinyl or pyrazinyl is unsubstituted or substituted by $-NH_2$, $-NHC(O)OCH_3$ or trifluoromethyl.

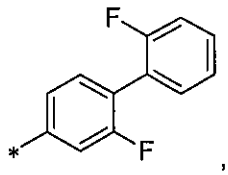
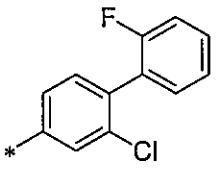
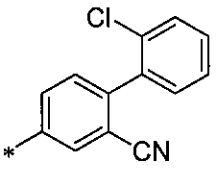
12. The compound according to any one of claims 7 to 9, wherein R^1 is selected from


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, and

, wherein "*" represents the point of attachment of R^1 to the bicyclic core ring.

13. The compound according to any one of claims 7 to 12, wherein R^3 is phenyl substituted by 1 to 2 substituents independently selected from halo, cyano, C_{1-6}alkyl, C_{1-6}haloalkyl, C_{1-6}alkoxy, C_{1-6}haloalkoxy, and phenyl, $-C(O)R^{16}$, $-C(O)OR^{16}$, wherein R^{16} is C_{1-6}alkyl, and the phenyl substituent of R^3 is unsubstituted or further substituted by 1 to 2 substituents independently selected from halo and cyano.

14. The compound according to any one of claims 7 to 12, wherein R^3 is selected from


,

,

,

,

,




; wherein "*" represents the point of attachment of R^3 to N.

15. The compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein the compound is selected from :

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-(ethylsulfonamido)pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 2-((1R,2S,3R,4S)-3-(3-(4-chlorophenyl)-1,2,4-oxadiazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(1H-pyrazol-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(2-aminopyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-1H-pyrazol-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-1H-pyrazol-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2R,3R,4R)-N-(3,4-dichlorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

methyl 4-((1R,2S,3R,4S)-3-(3-(4-chlorophenyl)-1,2,4-oxadiazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)-[1,1'-biphenyl]-3-carboxylate;

(1S,2S,3R,4R)-3-(2-aminopyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(3,4-dichlorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-1H-pyrazol-3-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-(N-propionylpropionamido)pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

methyl (4-((1S,2S,3R,4R)-3-((3,4-dichlorophenyl)carbamoyl)-7-oxabicyclo[2.2.1]heptan-2-yl)pyridin-2-yl)carbamate;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-propionamidopyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 4-((1R,2S,3R,4S)-3-(3-(4-chlorophenyl)-1,2,4-oxadiazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2R,3R,4S)-N-(4-chloro-3-fluorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-(dimethylamino)pyrimidin-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-3-(2-cyanopyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,4S)-N-(2-chloro-2'-fluoro-[1,1'-biphenyl]-4-yl)-3-(1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(pyrimidin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-(dimethylamino)pyrimidin-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

methyl 5-chloro-2-((1R,2S,3R,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2S,3S,4S)-3-(4-carbamoylphenyl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(2'-chloro-2-fluoro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(2-chloro-2'-fluoro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(4-(3,5-dimethyl-1H-pyrazol-1-yl)phenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(5-aminopyridin-3-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,4S)-N-(2'-chloro-2-fluoro-[1,1'-biphenyl]-4-yl)-3-(1-(tetrahydro-2H-pyran-4-yl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(2-methylpyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3R,4S)-N-(4-chloro-3-fluorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-(dimethylamino)pyrimidin-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(4-carbamoylphenyl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(2-aminopyrimidin-5-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,4R)-N-(2-phenylpyrimidin-5-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3R,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(6-aminopyridin-3-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(3-chloro-2-fluorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(2-cyanopyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 2-fluoro-4-(3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamido)benzoate;

(1S,4S)-3-(2-chloropyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

ethyl 5-((1S,2S,3S,4R)-3-((3,4-dichlorophenyl)carbamoyl)-7-oxabicyclo[2.2.1]heptan-2-yl)nicotinate;

(1S,4S)-3-cyano-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

ethyl 5-((1S,2S,3R,4R)-3-((3,4-dichlorophenyl)carbamoyl)-7-oxabicyclo[2.2.1]heptan-2-yl)nicotinate;

(1S,4S)-3-(2-aminopyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1S,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(1-(tetrahydro-2H-pyran-4-yl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1S,4S)-N-(2-fluoro-3-(trifluoromethoxy)phenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(3,4-dichlorophenyl)-3-(pyrimidin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

methyl 5-chloro-2-((1S,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamido)benzoate;

(1R,2S,3S,4S)-N-([1,1'-biphenyl]-4-yl)-3-(pyridin-3-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,4S)-3-(2-cyanopyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2R,3S,4S)-N-([1,1'-biphenyl]-4-yl)-3-(pyridin-3-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 2-morpholino-4-((1R,2S,3R,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2S,3S,4S)-3-(2-cyanopyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-3-cyano-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,4S)-N-(5-methyl-1-phenyl-1H-pyrazol-3-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1S,4R)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(1-(tetrahydro-2H-pyran-4-yl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3S,4S)-3-(2-aminopyrimidin-5-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-3-(2-aminopyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(2-methyl-2H-indazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-3-(6-aminopyridin-3-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 2-fluoro-4-((1S,4R)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamido)benzoate;

(1R,2R,3S,4S)-3-(6-acetamidopyridin-3-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(2-methylpyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-3-(pyridin-4-yl)-N-(2,2',4'-trifluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

tert-butyl 4-((1S,2S,3S,4R)-3-((3,4-dichlorophenyl)carbamoyl)-7-oxabicyclo[2.2.1]heptan-2-yl)-5,6-dihydropyridine-1(2H)-carboxylate;

(1R,2R,3R,4S)-N-([1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-(4'-chloro-2'-cyano-2-fluoro-[1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1R,2R,3S,4S)-N-(2'-chloro-2-fluoro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2S,3R,4R)-3-cyano-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(2-(dimethylamino)pyrimidin-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-([1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1R,2R,3S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(3,4-dichlorophenyl)-3-(3,6-dihydro-2H-pyran-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-(2'-chloro-2-fluoro-[1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1R,2R,3S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-3-(2,6-dichloropyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

tert-butyl 4-((1S,2S,3R,4R)-3-((3,4-dichlorophenyl)carbamoyl)-7-oxabicyclo[2.2.1]heptan-2-yl)-5,6-dihydropyridine-1(2H)-carboxylate;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1R,2R,3S,4S)-3-(2-aminopyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-1,4-dimethyl-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(1,2,3,6-tetrahydropyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-3-(3-chloro-2-fluoropyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-(2-chloro-2'-fluoro-[1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1S,4S)-3-(3-chloro-2-fluoropyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2R,3S,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(2-chloropyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2R,3R,4R)-3-cyano-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-3-(pyridin-4-yl)-N-(2,2',4'-trifluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2S,3R,4R)-N-(3,4-dichlorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3S,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 4-((1R,2R,3S,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2R,3S,4S)-3-(2-aminopyridin-4-yl)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(2-aminopyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-(3,4-dichlorophenyl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(3-fluoropyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3S,4S)-3-(2-aminopyridin-4-yl)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3S,4S)-3-(pyridin-4-yl)-N-(2,2',4'-trifluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,4S,5S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1R,2R,4S,5S)-N-(2'-chloro-2-cyano-[1,1'-biphenyl]-4-yl)-4-(pyridin-4-yl)-8-oxatricyclo[3.2.1.02,4]octane-2-carboxamide;

(1R,2S,3S,4S)-3-(2-aminopyridin-4-yl)-N-(3,4-dichlorophenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-3-(2,6-dichloropyridin-4-yl)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2R,3S,4S)-N-(3,4-dichlorophenyl)-3-(3,6-dihydro-2H-pyran-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 4-((1R,2S,3S,4S)-3-(2-aminopyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2R,3S,4S)-N-([1,1'-biphenyl]-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2S,3S,4R)-N-([1,1'-biphenyl]-4-yl)-3-(pyridin-3-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2S,3S,4R)-N-([1,1'-biphenyl]-4-yl)-3-(1-methyl-1H-pyrazol-3-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2S,3S,4R)-N-(2'-chloro-2-fluoro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(1-methylpiperidin-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2-fluoro-3-(trifluoromethyl)phenyl)-3-((2R)-6-(trifluoromethyl)piperidin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 4-((1S,2S,3R,4S)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

ethyl 3-((1R,2S,3R,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2S,3R,4S)-N-(2-fluoro-3-(trifluoromethoxy)phenyl)-3-(4-methylpyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 4-((1S,4S)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamido)benzoate;

(1S,4S)-N-(2-fluoro-3-(trifluoromethyl)phenyl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1S,2S,3R,4S)-N-(1-(methylsulfonyl)piperidin-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

methyl 5-chloro-2-((1S,2S,3R,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1S,2S,3R,4S)-3-(pyridin-4-yl)-N-(3-(trifluoromethoxy)phenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(3,4-dichlorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(3,4-dichlorophenyl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1S,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

methyl 4-fluoro-3-((1S,2S,3R,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1S,2S,3R,4S)-3-(pyridin-4-yl)-N-(4-(trifluoromethoxy)phenyl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1S,2R,3R,4S)-N-(3,4-dichlorophenyl)-3-(pyrazin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

ethyl 4-((1R,4S)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamido)benzoate;

(1R,2R,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(3,4-dichlorophenyl)-3-(pyrazin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3R,4S)-N-(5-chloro-2-fluorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(1-acetylpiperidin-4-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(4-chloro-3-fluorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(4-chloro-2-cyanophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

ethyl 4-((1R,2S,3R,4S)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2R,3R,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2-fluoro-3-(trifluoromethyl)phenyl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2-fluoro-3-(trifluoromethoxy)phenyl)-3-(4-methylpyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(3,4-dichlorophenyl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(3,4-dichlorophenyl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(2-fluoro-3-(trifluoromethyl)phenyl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

ethyl 4-((1R,2R,3R,4S)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate;

(1R,2S,3R,4S)-N-cyclohexyl-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(2-chloro-[1,1'-biphenyl]-4-yl)-3-(6-(trifluoromethyl)pyridin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2S,3R,4S)-N-(5-chloro-4-methylpyridin-2-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(3,4-dichlorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(2,3-dihydrobenzo[b][1,4]dioxin-5-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(pyrazin-2-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide,

(1R,2S,3R,4S)-N-(3-chloro-2-fluorophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(4-methylpyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(2-((S)-3-hydroxypyrrolidin-1-yl)pyridin-4-yl)-7-oxabicyclo[2.2.1]hept-2-ene-2-carboxamide;

(1R,2R,3R,4S)-N-(2-fluoro-3-(trifluoromethyl)phenyl)-3-(pyrazin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(3-fluoro-4-(trifluoromethoxy)phenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(5-chloropyridin-2-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2S,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(4-methylpyridin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

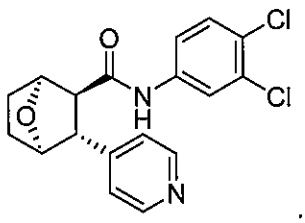
(1R,2S,3R,4S)-N-(2-fluoro-3-(trifluoromethoxy)phenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

(1R,2R,3R,4S)-N-(2,2'-difluoro-[1,1'-biphenyl]-4-yl)-3-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

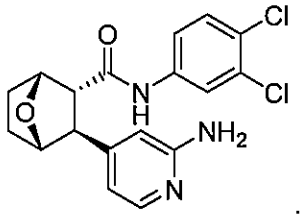
(1R,2S,3R,4S)-N-(4-chloropyridin-2-yl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide;

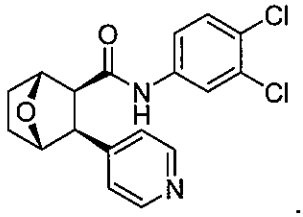
ethyl 4-((1R,2R,3R,4S)-3-(pyrazin-2-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamido)benzoate; and

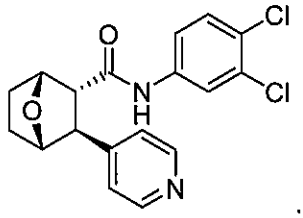
(1R,2S,3R,4S)-N-(4-cyanophenyl)-3-(pyridin-4-yl)-7-oxabicyclo[2.2.1]heptane-2-carboxamide.

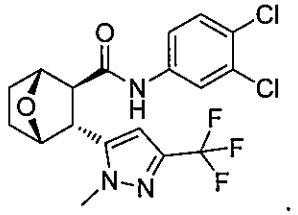
16. The compound of Claim 1 or a pharmaceutically acceptable salt thereof, wherein the compound is 

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17. The compound of Claim 1 or a pharmaceutically acceptable salt thereof, wherein the compound is  .

18. The compound of Claim 1 or a pharmaceutically acceptable salt thereof, wherein the compound is  .

19. The compound of Claim 1 or a pharmaceutically acceptable salt thereof, wherein the compound is  .

20. The compound of Claim 1 or a pharmaceutically acceptable salt thereof, wherein the compound is  .

21. A pharmaceutical composition comprising a compound according to any one of claims 1 to 20, or a salt or a stereoisomer thereof, and a pharmaceutically acceptable excipient.

22. The composition according to claim 21, further comprising an agent selected from angiopoietin-like 3 protein (ANGPTL3), oral salmon calcitonin, SD-6010, vitamin D3, collagen hydrolyzate, FGF18, BMP7, rusalatide acetate, avocado soy unsaponifiables, a steroid, and a non-steroidal anti-inflammatory agent (NSAID) and hyaluronic acid.

23. Use of a compound of any one of claims 1-20 or a pharmaceutically acceptable salt or stereoisomer thereof, or a pharmaceutical composition according to claim 21 or 22, in the manufacture of a medicament for treating, ameliorating or preventing arthritis or joint injury in a mammal.

24. The use according to claim 23, wherein the arthritis is osteoarthritis, trauma arthritis, or autoimmune arthritis.

25. Use of a compound of any one of claims 1-20 or a pharmaceutically acceptable salt or a stereoisomer thereof, or a pharmaceutical composition according to claim 21 or 22, optionally in combination with a second agent, for inducing differentiation of mesenchymal stem cells into chondrocytes.

26. The use of claim 25, wherein said second agent is selected from angiopoietin-like 3 protein (ANGPTL3), oral salmon calcitonin, SD-6010, vitamin D3, collagen hydrolyzate, FGF18, BMP7, rusalatide acetate, avocado soy unsaponifiables, a steroid, and a non-steroidal anti-inflammatory agent (NSAID) and hyaluronic acid.

27. A method of inducing mesenchymal stem cells into chondrocytes, the method comprising contacting mesenchymal stem cells with a sufficient amount of a compound of any one of claims 1-20 or a pharmaceutically acceptable salt or stereoisomer thereof, or a pharmaceutical composition according to claim 21 or 22, optionally in combination with a second agent, thereby inducing differentiation of the stem cells into chondrocytes.

28. A method according to claim 27, wherein said second agent is selected from angiopoietin-like 3 protein (ANGPTL3), oral salmon calcitonin, SD-6010, vitamin D3, collagen hydrolyzate, FGF18, BMP7, rusalatide acetate, avocado soy unsaponifiables, a steroid, and a non-steroidal anti-inflammatory agent (NSAID) and hyaluronic acid.