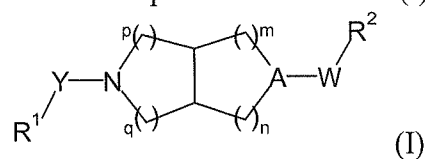


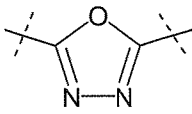
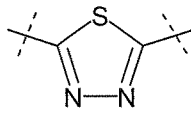
In one aspect, there is provided compounds of formula (I)



wherein

R^1 is substituted phenyl, substituted phenyl- C_{1-12} -alkyl, substituted phenyl- C_{2-7} -alkenyl, substituted naphthyl, substituted indolyl, substituted quinolyl, or substituted isoquinolyl, wherein substituted phenyl, substituted phenyl- C_{1-12} -alkyl, substituted phenyl- C_{2-7} -alkenyl, substituted naphthyl, substituted indolyl, substituted quinolyl and substituted isoquinolyl, are substituted with R^7 , R^8 and R^9 ;

R^2 is substituted phenyl, substituted pyridinyl, substituted pyrrolyl, oxodihydropyridinyl or substituted thiophenyl, wherein substituted phenyl, substituted pyridinyl, substituted pyrrolyl and substituted thiophenyl are substituted with R^{10} , R^{11} and R^{12} ;

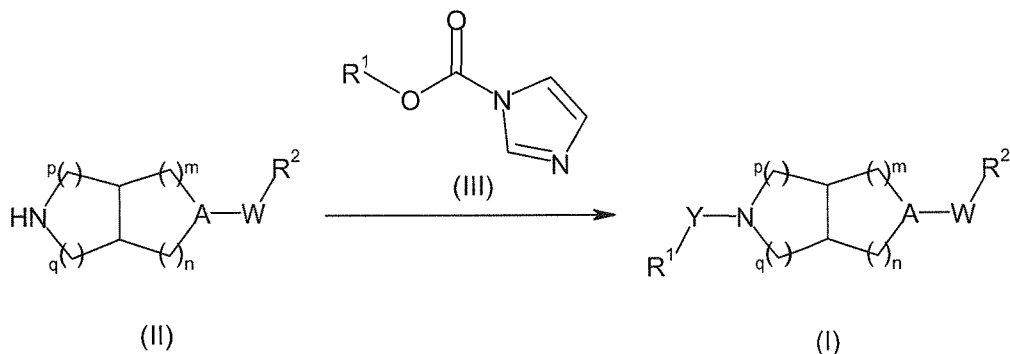
Y is $-OC(O)-$, $-NR^5C(O)-$, $-C(O)-$, $-S(O)_2-$,  or  ;

A is $-N-$ or $CH-$;

W is $-O-$, $-S-$, $-NR^6-$, $-C(O)-$, $-S(O)_2-$, or $-CR^3R^4-$;

R^3 and R^4 are independently selected from H, halogen, alkyl and cycloalkyl;

In another aspect, there is provided a process to prepare a compound as defined herein comprising the reaction of a compound of formula (II) in the presence of a compound of formula (III), wherein R^1 , R^2 , A, W, m, n, p and q are as defined above, Y is -OC(O)-.



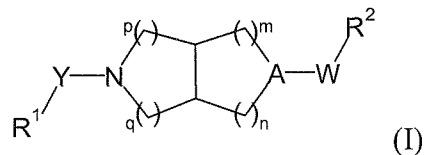
5 In another aspect, there is provided a compound as defined herein for use as therapeutically active substance.

In another aspect, there is provided a pharmaceutical composition comprising a compound as defined herein and a therapeutically inert carrier.

10 The term “alkenyl” denotes a monovalent linear or branched hydrocarbon group of 2 to 7 carbon atoms with at least one double bond. In particular embodiments, alkenyl has 2 to 4 carbon atoms with at least one double bond. Examples of alkenyl include ethenyl, propenyl, prop-2-enyl, isopropenyl, n-butenyl and iso-butenyl. Particular alkenyl group is ethenyl.

Claims

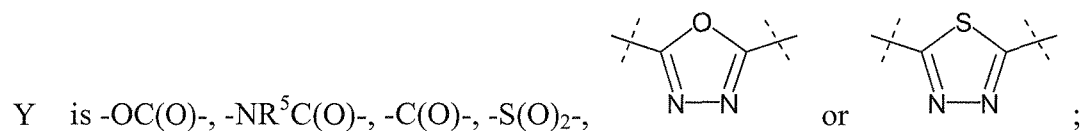
- Compounds of formula (I)



5 wherein

R^1 is substituted phenyl, substituted phenyl- C_{1-12} -alkyl, substituted phenyl- C_{2-7} -alkenyl, substituted naphthyl, substituted indolyl, substituted quinolyl, or substituted isoquinolyl, wherein substituted phenyl, substituted phenyl- C_{1-12} -alkyl, substituted phenylalkenyl, substituted naphthyl, substituted indolyl, substituted quinolyl and substituted isoquinolyl are substituted with R^7 , R^8 and R^9 ;

R^2 is substituted phenyl, substituted pyridinyl, substituted pyrrolyl, oxodihydropyridinyl or substituted thiophenyl, wherein substituted phenyl, substituted pyridinyl, substituted pyrrolyl and substituted thiophenyl are substituted with R^{10} , R^{11} and R^{12} ;



A is -N- or CH-;

W is -O-, -S-, -NR⁶-, -C(O)-, -S(O)₂-, or -CR³R⁴-;

R³ and R⁴ are independently selected from H, halogen, C₁₋₁₂-alkyl and C₃₋₁₀-cycloalkyl;

R⁵ and R⁶ are independently selected from H, C₁₋₁₂-alkyl and C₃₋₁₀-cycloalkyl;

5 R⁷, R⁸ and R⁹ are independently selected from H, C₁₋₁₂-alkyl, hydroxy-C₁₋₁₂-alkyl, halo-C₁₋₁₂-alkyl, hydroxyhalo-C₁₋₁₂-alkyl, C₃₋₁₀-cycloalkyl, C₃₋₁₀-cycloalkyl-C₁₋₁₂-alkyl, C₃₋₁₀-cycloalkyl-C₁₋₁₂-alkoxy, C₃₋₁₀-cycloalkoxy, C₃₋₁₀-cycloalkoxy-C₁₋₁₂-alkyl, C₃₋₁₀-cycloalkyl-C₁₋₁₂-alkoxy-C₁₋₁₂-alkyl, C₁₋₁₂-alkoxy, C₁₋₁₂-alkoxy-C₁₋₁₂-alkyl, halo-C₁₋₁₂-alkoxy, C₁₋₁₂-alkoxyhalo-C₁₋₁₂-alkyl, C₁₋₁₂-alkoxy-C₁₋₁₂-alkoxy, C₁₋₁₂-alkoxy-C₁₋₁₂-alkoxy-C₁₋₁₂-alkyl, phenyl, substituted phenyl, pyridinyl, substituted pyridinyl, halogen, hydroxy, cyano, C₁₋₁₂-alkylsulfanyl, halo-C₁₋₁₂-alkylsulfanyl, C₃₋₁₀-cycloalkylsulfanyl, C₁₋₁₂-alkylsulfinyl, halo-C₁₋₁₂-alkylsulfinyl, C₃₋₁₀-cycloalkylsulfinyl, C₁₋₁₂-alkylsulfonyl, halo-C₁₋₁₂-alkylsulfonyl, C₃₋₁₀-cycloalkylsulfonyl, substituted aminosulfonyl, substituted amino and substituted amino-C₁₋₁₂-alkyl, wherein substituted aminosulfonyl, substituted amino and substituted amino-C₁₋₁₂-alkyl are substituted on the nitrogen atom with one to two substituents independently selected from H, C₁₋₁₂-alkyl, C₃₋₁₀-cycloalkyl, C₃₋₁₀-cycloalkyl-C₁₋₁₂-alkyl, hydroxy-C₁₋₁₂-alkyl, C₁₋₁₂-alkoxy-C₁₋₁₂-alkyl, C₁₋₁₂-alkylcarbonyl and C₃₋₁₀-cycloalkylcarbonyl, and wherein substituted phenyl and substituted pyridinyl are optionally substituted with one to three substituents independently selected from C₁₋₁₂-alkyl, halogen, halo-C₁₋₁₂-alkyl, C₁₋₁₂-alkoxy and halo-C₁₋₁₂-alkoxy, wherein at least one of R⁷, R⁸ and R⁹ is not H;

15 R¹⁰ is substituted aminosulfonyl, C₁₋₁₂-alkoxycarbonyl, C₁₋₁₂-alkylcarbonylamino, C₁₋₁₂-alkylsulfonylamino, substituted amino, carboxy, cyano, hydroxy or tetrazolyl, wherein substituted amino is substituted on the nitrogen atom with one to two substituents independently selected from H, C₁₋₁₂-alkyl, C₁₋₁₂-cycloalkyl, C₃₋₁₀-cycloalkyl-C₁₋₁₂-alkyl, hydroxy-C₁₋₁₂-alkyl and C₁₋₁₂-alkoxy-C₁₋₁₂-alkyl;

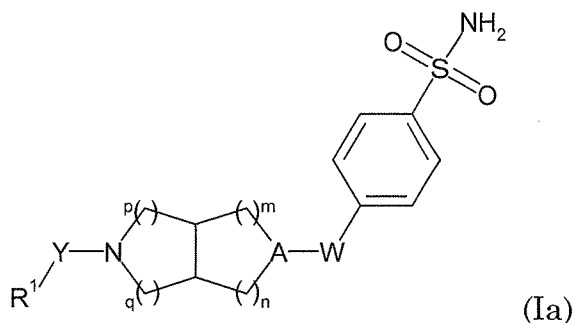
25 R¹¹ and R¹² are independently selected from H, C₁₋₁₂-alkyl, C₃₋₁₀-cycloalkyl, C₁₋₁₂-alkoxy, halogen and halo-C₁₋₁₂-alkyl;

30 m, n, p and q are independently selected from 1 or 2;

or pharmaceutically acceptable salts.

2. A compound according to claim 1, wherein R^1 is phenyl- C_{1-12} -alkyl substituted with R^7 , R^8 and R^9 .
3. A compound according to claim 1 or 2, wherein R^1 is 3,5-dichlorobenzyl, 4-trifluoromethoxybenzyl or 4-trifluoromethoxyphenylethyl.
- 5 4. A compound according to any one of claims 1 to 4, wherein R^2 is substituted phenyl or substituted pyridinyl, wherein substituted phenyl and substituted pyridinyl are substituted with R^{10} , R^{11} and R^{12} .
5. A compound according to any one of claims 1 to 4, wherein R^2 is phenyl substituted phenyl with R^{10} , R^{11} and R^{12} .
- 10 6. A compound according to any one of claims 1 to 5, wherein R^2 is 4-aminosulfonylphenyl, 3-fluoro-4-aminosulfonylphenyl, 3-aminosulfonylpyridin-6-yl or 2-aminosulfonylpyridin-5-yl.
7. A compound according to any one of claims 1 to 6, wherein Y is -OC(O)- or -C(O)-.
8. A compound according to any one of claims 1 to 7, wherein A is -N-.
- 15 9. A compound according to any one of claims 1 to 8, wherein W is -C(O)- or -S(O)₂-.
10. A compound according to any one of claims 1 to 9, wherein W is -C(O)-.
11. A compound according to any one of claims 1 to 10, wherein R^7 , R^8 and R^9 are independently selected from H, alkoxy, haloalkoxy, halogen, alkylsulfonyl and phenyl substituted with one halogen, and wherein at least one of R^7 , R^8 and R^9 is not H.
- 20 12. A compound according to any one of claims 1 to 11, wherein R^7 is alkoxy, haloalkoxy, halogen or phenyl substituted with one halogen.

13. A compound according to any one of claims 1 to 12, wherein R^7 is haloalkoxy or halogen.
14. A compound according to any one of claims 1 to 13, wherein R^8 is H, halogen or alkylsulfonyl.
15. A compound according to any one of claims 1 to 14, wherein R^8 is H or halogen.
- 5 16. A compound according to any one of claims 1 to 15, wherein R^9 is H.
17. A compound according to any one of claims 1 to 16, wherein R^{10} is aminosulfonyl.
18. A compound according to any one of claims 1 to 17, wherein R^{11} and R^{12} are independently selected from H, alkyl and halogen.
19. A compound according to any one of claims 1 to 18, wherein R^{11} and R^{12} are
10 independently selected from H and halogen.
20. A compound according to any one of claims 1 to 19, wherein m and n are 1.
21. A compound according to any one of claims 1 to 20, wherein m, n, p and q are 1.
22. A compound according to any one of claims 1 to 21 of formula (Ia).



- 15 23. A compound according to any one of claims 1 to 22, selected from

(3aR,6aS)-3,5-dichlorobenzyl 5-(4-(N-methylsulfamoyl)benzoyl)hexahydropyrrolo[3,4-c]pyrrole-2(1H)-carboxylate;

(3aR,6aS)-3,5-dichlorobenzyl 5-(5-hydroxypicolinoyl)hexahydropyrrolo[3,4-c]pyrrole-2(1H)-carboxylate;

(3aS,6aS)-5-(2-fluoro-4-sulfamoyl-benzoyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-trifluoromethoxy-benzyl ester;

5-{(3aR,6aR)-5-[3-(4-trifluoromethoxy-phenyl)-propionyl]-hexahydro-pyrrolo[3,4-c]pyrrole-2-carbonyl}-pyridine-2-sulfonic acid amide;

5 5-((3aS,6aS)-5-(4-ethoxyquinoline-2-carbonyl)octahydropyrrolo[3,4-c]pyrrole-2-carbonyl)pyridine-2-sulfonamide;

(3aS,6aS)-5-(3-fluoro-4-sulfamoyl-benzoyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-cyano-2-(2,2-dimethyl-propionylamino)-benzyl ester;

10 (3aS,6aS)-5-(6-sulfamoyl-pyridine-3-carbonyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-cyano-2-(2,2-dimethyl-propionylamino)-benzyl ester;

(3aS,6aS)-5-(4-sulfamoyl-benzoyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-cyano-2-(2,2-dimethyl-propionylamino)-benzylester;

(3aS,6aS)-5-(2-fluoro-4-sulfamoyl-benzoyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-cyano-2-(2,2-dimethyl-propionylamino)-benzyl ester;

15 (3aS,6aS)-5-(5-sulfamoyl-pyridine-2-carbonyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-cyano-2-(2,2-dimethyl-propionylamino)-benzyl ester;

and pharmaceutically acceptable salts thereof.

24. A compound according to any one of claims 1 to 23, selected from

20 (3aR,6aS)-3,5-dichlorobenzyl 5-(4-sulfamoylbenzoyl)hexahydropyrrolo[3,4-c]pyrrole-2(1H)-carboxylate;

(3aS,6aS)-5-(3-fluoro-4-sulfamoyl-benzoyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-trifluoromethoxy-benzyl ester;

(3aS,6aS)-5-(5-sulfamoyl-pyridine-2-carbonyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-trifluoromethoxy-benzyl ester;

25 (3aS,6aS)-5-(6-sulfamoyl-pyridine-3-carbonyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-trifluoromethoxy-benzyl ester;

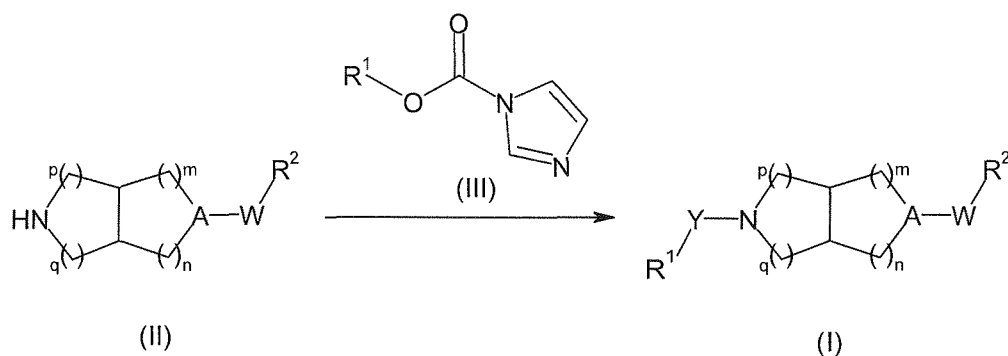
(3aS,6aS)-5-(4-sulfamoyl-benzoyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-trifluoromethoxy-benzyl ester;

4-{(3aR,6aR)-5-[3-(4-trifluoromethoxy-phenyl)-propionyl]-hexahydro-pyrrolo[3,4-c]pyrrole-2-carbonyl}-benzenesulfonamide;

5 (3aS,6aS)-5-(5-sulfamoyl-pyridine-2-carbonyl)-hexahydro-pyrrolo[3,4-c]pyrrole-2-carboxylic acid 4-cyano-2-(2,2-dimethyl-propionylamino)-benzyl ester;

and pharmaceutically acceptable salts thereof.

25. A process to prepare a compound according to any one of claims 1 to 24 comprising the reaction of a compound of formula (II) in the presence of a compound of formula (III),
10 wherein R^1 , R^2 , A, W, m, n, p and q are as defined above, Y is -OC(O)-.



26. A compound according to any one of claims 1 to 24 for use as therapeutically active substance.

27. A pharmaceutical composition comprising a compound according to any one of claims 1 to
15 24 and a therapeutically inert carrier.