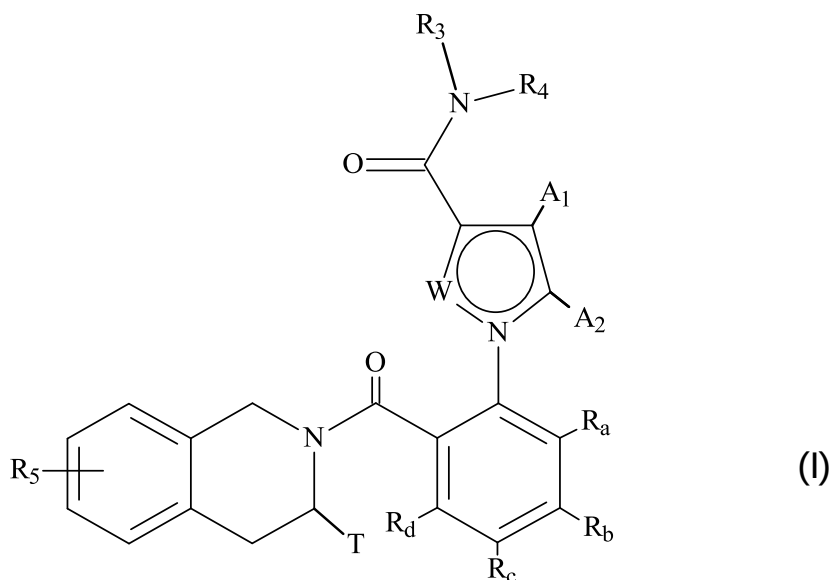


The invention claimed is:

1. A compound of formula (I):



wherein:

◆ W represents a group C-A₃ or a nitrogen atom;

◆ A₁, A₂ and A₃ each independently of the others, represent a hydrogen or halogen atom, a linear or branched polyhalo-(C₁-C₆)alkyl, a linear or branched (C₁-C₆)alkyl group or a cycloalkyl,

or A₁ and A₂, together with the carbon atoms carrying them, form a cycloalkyl or a benzo ring, these two groups being optionally substituted by a halogen atom, a linear or branched (C₁-C₆)alkyl group, a linear or branched polyhalo-(C₁-C₆)alkyl group, a hydroxy group, a linear or branched (C₁-C₆)alkoxy group or -COOH,

with the proviso that W represents a group C-A₃ when A₁ and A₂ independently of one another represent a hydrogen or halogen atom, a linear or branched polyhalo-(C₁-C₆)alkyl, a linear or branched (C₁-C₆)alkyl group or a cycloalkyl;

◆ T represents a hydrogen atom, a linear or branched (C₁-C₆)alkyl group optionally substituted by one to three halogen atoms, a group (C₁-C₄)alkyl-NR₁R₂, or a group (C₁-C₄)alkyl-OR₆;

- ◆ R₁ and R₂ independently of one another represent a hydrogen atom or a linear or branched (C₁-C₆)alkyl group,
or R₁ and R₂ form with the nitrogen atom carrying them a heterocycloalkyl;
- 5 ◆ R₃ represents a linear or branched (C₁-C₆)alkyl group, a linear or branched (C₂-C₆)alkenyl group, a linear or branched (C₂-C₆)alkynyl group, a cycloalkyl group, a (C₃-C₁₀)cycloalkyl-(C₁-C₆)alkyl group wherein the alkyl moiety is linear or branched, a heterocycloalkyl group, an aryl group or a heteroaryl group, wherein one or more carbon atoms of the preceding groups, or carbon atoms of their possible substituents, may be deuterated;
- 10 ◆ R₄ represents an aryl group, a heteroaryl group, a cycloalkyl group or a linear or branched (C₁-C₆)alkyl group, wherein one or more carbon atoms of the preceding groups, or carbon atoms of their possible substituents, may be deuterated;
- ◆ R₅ represents a hydrogen or halogen atom, a linear or branched (C₁-C₆)alkyl group, or a linear or branched (C₁-C₆)alkoxy group;
- 15 ◆ R₆ represents a hydrogen atom or a linear or branched (C₁-C₆)alkyl group;
- ◆ R_a, R_b, R_c and R_d, each independently of the others, represent a hydrogen, a linear or branched (C₁-C₆)alkyl group, a linear or branched (C₂-C₆)alkenyl group, a linear or branched (C₂-C₆)alkynyl group, an aryl group, a heteroaryl group, a halogen atom, a linear or branched (C₁-C₆)alkoxy group, a hydroxy group, a linear or branched polyhalo-(C₁-C₆)alkyl group, a trifluoromethoxy group, -NR₇R_{7'}, nitro, R₇-CO-(C₀-C₆)alkyl-, R₇-CO-NH-(C₀-C₆)alkyl-, NR₇R_{7'}-CO-(C₀-C₆)alkyl-, NR₇R_{7'}-CO-alkyl(C₀-C₆)-O-, R₇-NH-CO-NH-(C₀-C₆)alkyl-, R₇-O-CO-NH-(C₀-C₆)alkyl-, a heterocycloalkyl group, or the substituents of one of the pairs (R_a,R_b), (R_b,R_c) or (R_c,R_d) form together with the carbon atoms carrying them a ring
20 composed of from 5 to 7 ring members, optionally having one to 2 hetero atoms selected from the group consisting of oxygen and sulphur, ~~it~~ wherein one or more carbon atoms of the ring defined hereinbefore may be deuterated or substituted by from one to 3 groups selected from the group consisting of halogen and linear or branched (C₁-C₆)alkyl,
- 25 ◆ R₇ and R_{7'}, each independently of the other, represent a hydrogen, a linear or branched (C₁-C₆)alkyl group, a linear or branched (C₂-C₆)alkenyl group, a linear or branched (C₂-C₆)alkynyl group, an aryl group or a heteroaryl group, or R₇ and R_{7'}
- 30

form together with the nitrogen atom carrying them a heterocycle composed of from 5 to 7 ring members;

wherein when the compound of formula (I) contains a hydroxyl group, the latter may be optionally substituted by one of the following groups: $-\text{PO}(\text{OM})(\text{OM}')$, $-\text{PO}(\text{OM})(\text{O}^-\text{M}_1^+)$,
5 $-\text{PO}(\text{O}^-\text{M}_1^+)(\text{O}^-\text{M}_2^+)$, $-\text{PO}(\text{O}^-)(\text{O}^-)\text{M}_3^{2+}$, $-\text{PO}(\text{OM})(\text{O}[\text{CH}_2\text{CH}_2\text{O}]_n\text{CH}_3)$, or $-\text{PO}(\text{O}^-\text{M}_1^+)(\text{O}[\text{CH}_2\text{CH}_2\text{O}]_n\text{CH}_3)$, wherein M and M' independently of one another represent a hydrogen atom, a linear or branched (C_1 - C_6)alkyl group, a linear or branched (C_2 - C_6)alkenyl group, a linear or branched (C_2 - C_6)alkynyl group, a cycloalkyl or a heterocycloalkyl, both composed of from 5 to 6 ring members, while M_1^+ and M_2^+
10 independently of one another represent a pharmaceutically acceptable monovalent cation, M_3^{2+} represents a pharmaceutically acceptable divalent cation, and n is an integer from 1 to 5;

wherein

- 15 - "aryl" means a phenyl, naphthyl, biphenyl or indenyl group,
- "heteroaryl" means any mono- or bi-cyclic group composed of from 5 to 10 ring members, having at least one aromatic moiety and having from 1 to 4 hetero atoms selected from the group consisting of oxygen, sulphur and nitrogen (including quaternary nitrogens),
- 20 - "cycloalkyl" means any mono- or bi-cyclic, non-aromatic, carbocyclic group having from 3 to 10 ring members,
- "heterocycloalkyl" means any mono- or bi-cyclic, non-aromatic group composed of from 3 to 10 ring members and having from 1 to 3 hetero atoms selected from the group consisting of oxygen, sulphur, SO, SO_2 and nitrogen;

25 wherein the aryl, heteroaryl, cycloalkyl and heterocycloalkyl groups so defined above and the alkyl, alkenyl, alkynyl and alkoxy groups may be optionally substituted by from 1 to 3 groups selected from the group consisting of optionally substituted, linear or branched (C_1 - C_6)alkyl, (C_3 - C_6)spiro, optionally substituted linear or branched (C_1 - C_6)alkoxy, (C_1 - C_6)alkyl-S-, hydroxy, oxo (or N-oxide where appropriate), nitro, cyano, $-\text{COOR}'$, $-\text{OCOR}'$,
30 $\text{NR}'\text{R}''$, linear or branched polyhalo- $(\text{C}_1$ - C_6)alkyl, trifluoromethoxy, (C_1 - C_6)alkylsulphonyl,

halogen, optionally substituted aryl, heteroaryl, aryloxy, arylthio, cycloalkyl, heterocycloalkyl optionally substituted by one or more halogen atoms or alkyl groups, wherein R' and R'', each independently of the other, represent a hydrogen atom or an optionally substituted, linear or branched (C₁-C₆)alkyl group,

5

its enantiomers and diastereoisomers, and addition salts thereof with a pharmaceutically acceptable acid or base.

2. The compound according to Claim 1, wherein R₄ represents a phenyl substituted in the *para*-position by a group of the formula -OPO(OM)(OM'), -OPO(OM)(O⁻M₁⁺), -OPO(O⁻M₁⁺)(O⁻M₂⁺), -OPO(O⁻)(O⁻)M₃²⁺, -OPO(OM)(O[CH₂CH₂O]_nCH₃), or -OPO(O⁻M₁⁺)(O[CH₂CH₂O]_nCH₃), wherein M and M' independently of one another represent a hydrogen atom, a linear or branched (C₁-C₆)alkyl group, a linear or branched (C₂-C₆)alkenyl group, a linear or branched (C₂-C₆)alkynyl group, a cycloalkyl or a heterocycloalkyl, both composed of from 5 to 6 ring members, while M₁⁺ and M₂⁺ independently of one another represent a pharmaceutically acceptable monovalent cation, M₃²⁺ represents a pharmaceutically acceptable divalent cation, and n is an integer from 1 to 5, wherein the phenyl group may be optionally substituted by one or more halogen atoms.

10

15

3. The compound according to Claim 1, wherein W represents a group C-H, and A₁ and A₂ represent a hydrogen atom and a methyl group, respectively.

20

4. The compound according to Claim 1, wherein W represents a group C-H, and A₁ and A₂, together with the carbon atoms carrying them, form a cyclohexenyl or a benzo ring optionally substituted by a halogen atom.

5. The compound according to Claim 1, wherein W represents a nitrogen atom, and A₁ and A₂, together with the carbon atoms carrying them, form a benzo ring.

25

6. The compound according to Claim 1, wherein T represents a group selected from the group consisting of methyl, aminomethyl, dimethylaminomethyl, morpholinylmethyl, (4-methyl-1-piperazinyl)methyl, (3aR,6aS)-hexahydrocyclopenta[c]pyrrol-2(1H)-ylmethyl,

(4,4-difluoropiperidin-1-yl)methyl, (4-cyclopentylpiperazin-1-yl)methyl, (4-cyclobutylpiperazin-1-yl)methyl, pyrrolidin-1-ylmethyl, piperidin-1-ylmethyl and 2-(morpholin-4-yl)ethyl.

7. The compound according to Claim 1, wherein R_a , R_b , R_c and R_d , each independently of the others, represent a hydrogen, a linear or branched (C_1 - C_6)alkyl group, a linear or branched (C_2 - C_6)alkenyl group, a linear or branched (C_2 - C_6)alkynyl group, an aryl group, a heteroaryl group, a halogen atom, a linear or branched (C_1 - C_6)alkoxy group, a hydroxy group, a linear or branched polyhalo-(C_1 - C_6)alkyl group, a trifluoromethoxy group, - NR_7R_7' , nitro, or the substituents of one of the pairs (R_a, R_b), (R_b, R_c) or (R_c, R_d) form together with the carbon atoms carrying them a ring composed of from 5 to 7 ring members, optionally having one to 2 hetero atoms selected from the group consisting of oxygen and sulphur, wherein one or more carbon atoms of the ring defined hereinbefore may be deuterated or substituted by from one to 3 groups selected from the group consisting of halogen and linear or branched (C_1 - C_6)alkyl.

8. The compound according to Claim 7, wherein R_a and R_d each represent a hydrogen atom and (R_b, R_c), together with the carbon atoms carrying them, form one of the following groups: optionally substituted 1,3-dioxolane; optionally substituted 1,4-dioxane; cyclopentane; tetrahydrofuran; 2,3-dihydrofuran; or R_a , R_c and R_d each represent a hydrogen atom and R_b represents a hydroxy group, a methoxy group, a halogen atom, a trifluoromethyl group or a trifluoromethoxy group.

9. The compound according to Claim 7, wherein one to two of the groups R_a , R_b , R_c , R_d represent a halogen atom, while the others represent a hydrogen.

10. The compound according to Claim 1, wherein: R_a and R_d each represent a hydrogen atom; R_b represents hydrogen, halogen, hydroxy or methoxy; and R_c represents hydroxy, methoxy, amino, 3-phenoxyazetidine, 2-(phenylsulphanyl)acetamide or 2-(phenoxy)acetamide.

11. (previously presented) The compound according to Claim 1, wherein R_4 represents

a butyl, phenyl, 4-hydroxyphenyl, 4-methoxyphenyl, 4-methylphenyl, 3-chloro-4-hydroxyphenyl or 3-fluoro-4-hydroxyphenyl group.

12. The compound according to Claim 1, wherein R₃ represents an aryl or heteroaryl group.

13. The compound according to Claim 12, wherein R₃ represents a group selected from the group consisting of phenyl, 1*H*-indole, benzothiophene, benzofuran, 2,3-dihydro-1*H*-indole, 1*H*-indazole, 2,3-dihydro-1*H*-isoindole, 1*H*-pyrrolo[2,3-*b*]pyridine, phenoxyphenyl, 2,3-dihydro-1*H*-pyrrolo[2,3-*b*]pyridine, and 1*H*-pyrrole, which groups may be optionally substituted by one or more substituents selected from the group consisting of halogen, linear or branched (C₁-C₆)alkyl, trifluoromethoxy, 4-methylpiperazinyl, linear or branched (C₁-C₆)alkoxy, and cyano.

14. The compound according to Claim 1, which is selected from the group consisting of:

- *N*-(4-hydroxyphenyl)-1-{6-[(3*S*)-3-(morpholin-4-ylmethyl)-1,2,3,4-tetrahydroisoquinoline-2-carbonyl]-2*H*-1,3-benzodioxol-5-yl}-*N*-phenyl-1*H*-indole-3-carboxamide,
- *N*-(4-hydroxyphenyl)-*N*-(1-methyl-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl)-1-(6-{[(3*S*)-3-(morpholin-4-ylmethyl)-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}-1,3-benzodioxol-5-yl)-4,5,6,7-tetrahydro-1*H*-indole-3-carboxamide,
- 1-(5-chloro-2-{[(3*S*)-3-(morpholin-4-ylmethyl)-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}phenyl)-*N*-(4-hydroxyphenyl)-4,5-dimethyl-*N*-(1-methyl-2,3-dihydro-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl)-1*H*-pyrrole-3-carboxamide,
- 1-(5-chloro-2-{[(3*S*)-3-(morpholin-4-ylmethyl)-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}phenyl)-*N*-(5-cyano-1,2-dimethyl-1*H*-pyrrol-3-yl)-*N*-(4-hydroxyphenyl)-4,5-dimethyl-1*H*-pyrrole-3-carboxamide,
- *N*-(4-hydroxyphenyl)-*N*-(4-methylphenyl)-1-(6-{[(3*S*)-3-[(4-methylpiperazin-1-yl)methyl]-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}-1,3-benzodioxol-5-yl)-1*H*-indole-3-carboxamide,
- *N*-(4-hydroxyphenyl)-*N*-(1*H*-indol-5-yl)-1-(6-{[(3*S*)-3-[(4-methylpiperazin-1-yl)methyl]-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}-1,3-benzodioxol-5-yl)-1*H*-indole-3-carboxamide,

- *N*-(4-hydroxyphenyl)-*N*-(1-methyl-1*H*-indol-5-yl)-1-(6-{[(3*S*)-3-[(4-methylpiperazin-1-yl)methyl]-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}-1,3-benzodioxol-5-yl)-1*H*-indole-3-carboxamide,
- 5 - 1-(5-chloro-2-{[(3*S*)-3-[(4-methylpiperazin-1-yl)methyl]-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}phenyl)-*N*-(4-chlorophenyl)-*N*-(4-hydroxyphenyl)-5-methyl-1*H*-pyrrole-3-carboxamide,
- 1-(5-chloro-2-{[(3*S*)-3-[(4-methylpiperazin-1-yl)methyl]-3,4-dihydroisoquinolin-2(1*H*)-yl]carbonyl}phenyl)-*N*-(4-hydroxyphenyl)-*N*-(1*H*-indol-5-yl)-1*H*-indole-3-carboxamide,
- 10 - *N*-(4-hydroxyphenyl)-1-{6-[(3*S*)-3-[(4-methylpiperazin-1-yl)methyl]-1,2,3,4-tetrahydroisoquinoline-2-carbonyl]-2*H*-1,3-benzodioxol-5-yl}-*N*-phenyl-1*H*-indole-3-carboxamide,

and enantiomers and diastereoisomers thereof, and addition salts thereof with a pharmaceutically acceptable acid or base.

15

15. A pharmaceutical composition comprising a compound according to Claim 1, in combination with one or more pharmaceutically acceptable excipients.