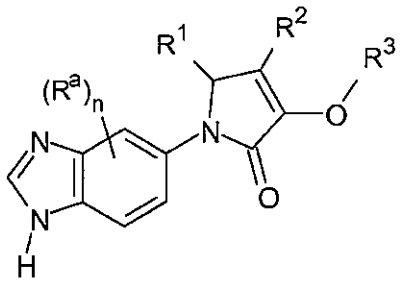
Claims

1. A compound of formula (I):



(I)

or a pharmaceutically acceptable salt, solvate or polymorph thereof, including all tautomers and stereoisomers thereof wherein:

R^1 represents -C_{1-6}alkyl, -aryl, -C_{1-6}alkylaryl, -cycloalkyl, -C_{1-6}alkylcycloalkyl, -heteroaryl, -C_{1-6}alkylheteroaryl, -heterocyclyl, -C_{1-6}alkylheterocyclyl, -cycloalkyl substituted by phenyl, -cycloalkyl substituted by phenoxy, -phenyl substituted by cycloalkyl, -phenyl substituted by phenoxy, -phenyl substituted by phenyl, heterocyclyl substituted by phenyl, heteroaryl substituted by phenyl, phenyl substituted by heterocyclyl, phenyl substituted by heteroaryl, phenyl substituted by –O-cycloalkyl or phenyl substituted by –cycloalkyl-heterocyclyl;

and in which any of aforesaid aryl, cycloalkyl, heterocyclyl, heteroaryl, phenyl or phenoxy groups may optionally be substituted by one or more groups selected from C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}haloalkyl, -C_{1-6}thioalkyl, -SOC_{1-4}alkyl, -SO_2C_{1-4}alkyl, C_{1-6}alkoxy-, -O-C_{3-8}cycloalkyl, C_{3-8}cycloalkyl, -SO_2C_{3-8}cycloalkyl, -SOC_{3-6}cycloalkyl, C_{3-6}alkenyloxy-, C_{3-6}alkynyloxy-, -$C(O)C_{1-6}$alkyl, -$C(O)OC_{1-6}$alkyl, C_{1-6}alkoxy-C_{1-6}alkyl-, nitro, halogen, cyano, hydroxyl, -C(O)OH, $-NH_2$, -NHC_{1-4}alkyl, -$N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)NH_2$, -$C(O)NH(C_{1-4}alkyl)$ and -$C(O)NH(C_{3-10}cycloalkyl)$;

R^2 represents -C_{1-6}alkyl, C_{1-6}haloalkyl, -aryl, -C_{1-6}alkylaryl, -cycloalkyl, -C_{1-6}alkylcycloalkyl, -heteroaryl, -C_{1-6}alkylheteroaryl, -heterocyclyl or -C_{1-6}alkylheterocyclyl;

and in which any of aforesaid aryl, heteroaryl or heterocyclyl groups may optionally be substituted by one or more groups selected from C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}haloalkyl, -C_{1-6}thioalkyl, -SOC_{1-4}alkyl, -SO_2C_{1-4}alkyl, C_{1-6}alkoxy-, -O-C_{3-8}cycloalkyl, C_{3-8}cycloalkyl, -SO_2C_{3-8}cycloalkyl, -SOC_{3-6}cycloalkyl, C_{3-6}alkenyloxy-, C_{3-6}alkynyloxy-, -$C(O)C_{1-6}$alkyl, -$C(O)OC_{1-6}$alkyl, C_{1-6}alkoxy-C_{1-6}alkyl-, nitro, halogen, cyano, hydroxyl, -

C(O)OH, -NH_2, -NHC_{1-4}alkyl, -$N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)NH_2$, -$C(O)NH(C_{1-4}alkyl)$ and -$C(O)NH(C_{3-10}cycloalkyl)$;

R^3 represents C_{1-6}alkyl or C_{1-6}haloalkyl;

n represents an integer selected from 0 to 3; and

R^a represents C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}haloalkyl, -C_{1-6}thioalkyl, -SOC_{1-4}alkyl, -SO_2C_{1-4}alkyl, C_{1-6}alkoxy-, -O-C_{3-8}cycloalkyl, C_{3-8}cycloalkyl, -SO_2C_{3-8}cycloalkyl, -SOC_{3-6}cycloalkyl, C_{3-6}alkenyloxy-, C_{3-6}alkynyloxy-, -$C(O)C_{1-6}$alkyl, -$C(O)OC_{1-6}$alkyl, C_{1-6}alkoxy-C_{1-6}alkyl-, nitro, halogen, cyano, hydroxyl, -C(O)OH, -NH_2, -NHC_{1-4}alkyl, -$N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)NH_2$, -$C(O)NH(C_{1-4}alkyl)$ and -$C(O)NH(C_{3-10}cycloalkyl)$.

2. A compound according to claim 1, wherein R^1 represents -C_{1-6}alkyl, -aryl, -cycloalkyl, -heteroaryl, -heterocyclyl, -cycloalkyl substituted by phenyl, -cycloalkyl substituted by phenoxy, -phenyl substituted by cycloalkyl, -phenyl substituted by phenoxy, -phenyl substituted by phenyl, heterocyclyl substituted by phenyl, heteroaryl substituted by phenyl, phenyl substituted by heterocyclyl, phenyl substituted by heteroaryl, phenyl substituted by –O-cycloalkyl or phenyl substituted by –cycloalkyl-heterocyclyl.

3. A compound according to claim 2, wherein R^1 represents -C_{1-6}alkyl, -aryl, -cycloalkyl, -heteroaryl, -cycloalkyl substituted by phenyl, -cycloalkyl substituted by phenoxy, -phenyl substituted by cycloalkyl, -phenyl substituted by phenyl, heterocyclyl substituted by phenyl, phenyl substituted by heterocyclyl, phenyl substituted by –O-cycloalkyl or phenyl substituted by –cycloalkyl-heterocyclyl.

4. A compound according to claim 3, wherein R^1 represents -C_{1-6}alkyl, -aryl, -cycloalkyl, -heteroaryl, -phenyl substituted by phenyl, phenyl substituted by heterocyclyl or phenyl substituted by –O-cycloalkyl, wherein said phenyl group is optionally substituted by one or more halogen groups, wherein said heterocyclyl group is optionally substituted by one or more C_{1-6} alkyl groups, and wherein said cycloalkyl group is optionally substituted by one or more halogen groups.

5. A compound according to claim 4, wherein R^1 represents phenyl optionally substituted by one or more halogen groups, such as 2,3-difluorophenyl.

6. A compound according to any of claims 1 to 5, wherein R^2 represents -C_{1-6}alkyl, C_{1-6}haloalkyl, -aryl, -cycloalkyl, -heteroaryl or –heterocyclyl.

7. A compound according to claim 6, wherein R^2 represents -C_{1-6}alkyl, C_{1-6}haloalkyl or –aryl.

8. A compound according to claim 7, wherein R^2 represents -C_{1-6}alkyl or –aryl.

9. A compound according to claim 8, wherein R^2 represents methyl, ethyl, propyl, isopropyl, trifluoromethyl) or phenyl optionally substituted by one or more halogen groups.

10. A compound according to claim 9, wherein R^2 represents methyl or unsubstituted phenyl, such as methyl.

11. A compound according to any of claims 1 to 10, wherein R^3 represents C_{1-6}alkyl, such as methyl.

12. A compound according to claim 11, wherein R^3 represents C_{1-6}haloalkyl, such as 2,2,2-trifluroethyl or 2,2,3,3-tetrafluoropropyl.

13. A compound according to any of claims 1 to 12, wherein n represents 0.

14. A compound according to any one of examples 1 to 35 or a pharmaceutically acceptable salt, solvate or polymorph thereof, including all tautomers and stereoisomers.

15. A compound according to claim 1, which is 1-(1H-benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one or a pharmaceutically acceptable salt, solvate or polymorph thereof.

16. A compound according to claims 1 to 15, for use as a medicament.

17. A pharmaceutical composition comprising a compound according to any one of claims 1 to 15, optionally in combination with one or more therapeutically acceptable diluents or carriers.

18. The pharmaceutical composition of claim 17, which comprises additionally at least one compound, selected from the group consisting of neuroprotectants, antiparkinsonian

drugs, amyloid protein deposition inhibitors, beta amyloid synthesis inhibitors, antidepressants, anxiolytic drugs, antipsychotic drugs and anti-multiple sclerosis drugs.

19. The pharmaceutical composition of claim 17 or 18, which comprises additionally at least one compound, selected from the group consisting of PEP-inhibitors, LiCl, inhibitors of inhibitors of DP IV or DP IV-like enzymes, acetylcholinesterase (ACE) inhibitors, PIMT enhancers, inhibitors of beta secretases, inhibitors of gamma secretases, inhibitors of neutral endopeptidase, inhibitors of Phosphodiesterase-4 (PDE-4), TNFalpha inhibitors, muscarinic M1 receptor antagonists, NMDA receptor antagonists, sigma-1 receptor inhibitors, histamine H3 antagonists, immunomodulatory agents, immunosuppressive agents or an agent selected from the group consisting of antegren (natalizumab), Neurelan (fampridine-SR), campath (alemtuzumab), IR 208, NBI 5788/MSP 771 (tiplimotide), paclitaxel, Anergix.MS (AG 284), SH636, Differin (CD 271, adapalene), BAY 361677 (interleukin-4), matrix-metalloproteinase-inhibitors, interferon-tau (trophoblastin) and SAIK-MS.

20. A compound according to any one of claims 1 to 15, or a pharmaceutical composition according to any one of claims 17 to 19 for use in the treatment of a disease selected from the group consisting of Kennedy's disease, duodenal cancer with or without *Helicobacter pylori* infections, colorectal cancer, Zolliger-Ellison syndrome, gastric cancer with or without *Helicobacter pylori* infections, pathogenic psychotic conditions, schizophrenia, infertility, neoplasia, inflammatory host responses, cancer, malign metastasis, melanoma, psoriasis, impaired humoral and cell-mediated immune responses, leukocyte adhesion and migration processes in the endothelium, impaired food intake, impaired sleep-wakefulness, impaired homeostatic regulation of energy metabolism, impaired autonomic function, impaired hormonal balance or impaired regulation of body fluids, multiple sclerosis, the Guillain-Barré syndrome and chronic inflammatory demyelinizing polyradiculoneuropathy.

21. A compound according to any one of claims 1 to 15, or a pharmaceutical composition according to any one of claims 17 to 19 for use in the treatment of a disease selected from the group consisting of mild cognitive impairment, Alzheimer's disease, Familial British Dementia, Familial Danish Dementia, neurodegeneration in Down Syndrome and Huntington's disease.

22. A compound according to any one of claims 1 to 15, or a pharmaceutical composition according to any one of claims 17 to 19 for use in the treatment of a disease selected from the group consisiting of rheumatoid arthritis, atherosclerosis, pancreatitis and restenosis.

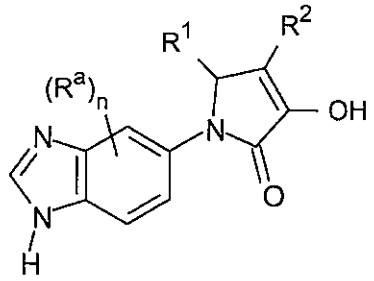
23. A method of treatment or prevention of a disease selected from the group consisting of Kennedy's disease, ulcer disease, duodenal cancer with or without *Helicobacter pylori* infections, colorectal cancer, Zolliger-Ellison syndrome, gastric cancer with or without *Helicobacter pylori* infections, pathogenic psychotic conditions, schizophrenia, infertility, neoplasia, inflammatory host responses, cancer, malign metastasis, melanoma, psoriasis, impaired humoral and cell-mediated immune responses, leukocyte adhesion and migration processes in the endothelium, impaired food intake, impaired sleep-wakefulness, impaired homeostatic regulation of energy metabolism, impaired autonomic function, impaired hormonal balance or impaired regulation of body fluids, multiple sclerosis, the Guillain-Barré syndrome and chronic inflammatory demyelinizing polyradiculoneuropathy, which comprises administering to a subject an effective amount of a compound according to any one of claims 1 to 15, or a pharmaceutical composition according to any one of claims 17 to 19.

24. A method of treatment or prevention of a disease selected from the group consisting of mild cognitive impairment, Alzheimer's disease, Familial British Dementia, Familial Danish Dementia, neurodegeneration in Down Syndrome and Huntington's disease, which comprises administering to a subject an effective amount of a compound according to any one of claims 1 to 15, or a pharmaceutical composition according to any one of claims 17 to 19.

25. A method of treatment or prevention of a disease selected from the group consisting of rheumatoid arthritis, atherosclerosis, pancreatitis and restenosis, which comprises administering to a subject an effective amount of a compound according to any one of claims 1 to 15, or a pharmaceutical composition according to any one of claims 17 to 19.

26. A process for preparation of a compound of formula (I) according to any one of claims 1 to 15, which comprises:

(a) preparing a compound of formula (I) from a compound of formula (II)



(II)

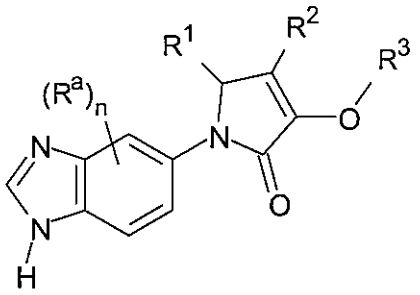
wherein R^a, n, R^1 and R^2 are as defined in claim 1;

(b) interconversion of compounds of formula (I); and/or

(c) deprotecting a compound of formula (I) which is protected.

Claims

1. A compound of formula (I):



(I)

or a pharmaceutically acceptable salt, solvate or polymorph thereof, including all tautomers and stereoisomers thereof wherein:

R^1 represents -C_{1-6}alkyl, -aryl, -C_{1-6}alkylaryl, -cycloalkyl, -C_{1-6}alkylcycloalkyl, -heteroaryl, -C_{1-6}alkylheteroaryl, -heterocyclyl, -C_{1-6}alkylheterocyclyl, -cycloalkyl substituted by phenyl, -cycloalkyl substituted by phenoxy, -phenyl substituted by cycloalkyl, -phenyl substituted by phenoxy, -phenyl substituted by phenyl, heterocyclyl substituted by phenyl, heteroaryl substituted by phenyl, phenyl substituted by heterocyclyl, phenyl substituted by heteroaryl, phenyl substituted by –O-cycloalkyl or phenyl substituted by –cycloalkyl-heterocyclyl;

and in which any of aforesaid aryl, cycloalkyl, heterocyclyl, heteroaryl, phenyl or phenoxy groups may optionally be substituted by one or more groups selected from C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}haloalkyl, -C_{1-6}thioalkyl, -SOC_{1-4}alkyl, -SO_2C_{1-4}alkyl, C_{1-6}alkoxy-, -O-C_{3-8}cycloalkyl, C_{3-8}cycloalkyl, -SO_2C_{3-8}cycloalkyl, -SOC_{3-6}cycloalkyl, C_{3-6}alkenyloxy-, C_{3-6}alkynyloxy-, -$C(O)C_{1-6}$alkyl, -$C(O)OC_{1-6}$alkyl, C_{1-6}alkoxy-C_{1-6}alkyl-, nitro, halogen, cyano, hydroxyl, -C(O)OH, $-NH_2$, -NHC_{1-4}alkyl, -$N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)N(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-C(O)NH_2$, -$C(O)NH(C_{1-4}alkyl)$ and -$C(O)NH(C_{3-10}cycloalkyl)$;

R^2 represents -C_{1-6}alkyl, C_{1-6}haloalkyl, -aryl, -C_{1-6}alkylaryl, -cycloalkyl, -C_{1-6}alkylcycloalkyl, -heteroaryl, -C_{1-6}alkylheteroaryl, -heterocyclyl or -C_{1-6}alkylheterocyclyl;

and in which any of aforesaid aryl, heteroaryl or heterocyclyl groups may optionally be substituted by one or more groups selected from C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}haloalkyl, -C_{1-6}thioalkyl, -SOC_{1-4}alkyl, -SO_2C_{1-4}alkyl, C_{1-6}alkoxy-, -O-C_{3-8}cycloalkyl, C_{3-8}cycloalkyl, -SO_2C_{3-8}cycloalkyl, -SOC_{3-6}cycloalkyl, C_{3-6}alkenyloxy-, C_{3-6}alkynyloxy-, -$C(O)C_{1-6}$alkyl, -$C(O)OC_{1-6}$alkyl, C_{1-6}alkoxy-C_{1-6}alkyl-, nitro, halogen, cyano, hydroxyl, -C(O)OH, $-NH_2$, -NHC_{1-4}alkyl, -$N(C_{1-4}alkyl)(C_{1-4}alkyl)$, -$C(O)N(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-C(O)NH_2$, -$C(O)NH(C_{1-4}alkyl)$ and -$C(O)NH(C_{3-10}cycloalkyl)$;

R^3 represents C_{1-6}alkyl or C_{1-6}haloalkyl;

n represents 0; and

R^a represents C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}haloalkyl, -C_{1-6}thioalkyl, -SOC_{1-4}alkyl, -SO_2C_{1-4}alkyl, C_{1-6}alkoxy-, -O-C_{3-8}cycloalkyl, C_{3-8}cycloalkyl, -SO_2C_{3-8}cycloalkyl, -SOC_{3-6}cycloalkyl, C_{3-6}alkenyloxy-, C_{3-6}alkynyloxy-, -$C(O)C_{1-6}$alkyl, -$C(O)OC_{1-6}$alkyl, C_{1-6}alkoxy-C_{1-6}alkyl-, nitro, halogen, cyano, hydroxyl, -C(O)OH, $-NH_2$, $-NHC_{1-4}$alkyl, $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-C(O)N(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-C(O)NH_2$, $-C(O)NH(C_{1-4}alkyl)$ and $-C(O)NH(C_{3-10}cycloalkyl)$.

2. A compound according to claim 1, wherein R^1 represents -C_{1-6}alkyl, -aryl, -cycloalkyl, -heteroaryl, -heterocyclyl, -cycloalkyl substituted by phenyl, -cycloalkyl substituted by phenoxy, -phenyl substituted by cycloalkyl, -phenyl substituted by phenoxy, -phenyl substituted by phenyl, heterocyclyl substituted by phenyl, heteroaryl substituted by phenyl, phenyl substituted by heterocyclyl, phenyl substituted by heteroaryl, phenyl substituted by –O-cycloalkyl or phenyl substituted by –cycloalkyl-heterocyclyl.

3. A compound according to claim 2, wherein R^1 represents -C_{1-6}alkyl, -aryl, -cycloalkyl, -heteroaryl, -phenyl substituted by phenyl, phenyl substituted by heterocyclyl or phenyl substituted by –O-cycloalkyl, wherein said phenyl group is optionally substituted by one or more halogen groups, wherein said heterocyclyl group is optionally substituted by one or more C_{1-6} alkyl groups, and wherein said cycloalkyl group is optionally substituted by one or more halogen groups.

4. A compound according to claim 3, wherein R^1 represents phenyl optionally substituted by one or more halogen groups.

5. A compound according to any of claims 1 to 4, wherein R^2 represents -C_{1-6}alkyl, C_{1-6}haloalkyl, -aryl, -cycloalkyl, -heteroaryl or –heterocyclyl.

6. A compound according to claim 5, wherein R^2 represents methyl, ethyl, propyl, isopropyl, trifluoromethyl or phenyl optionally substituted by one or more halogen groups.

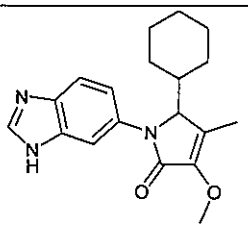
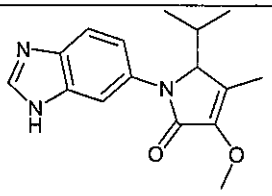
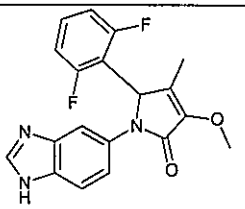
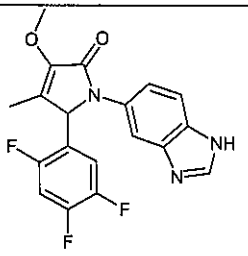
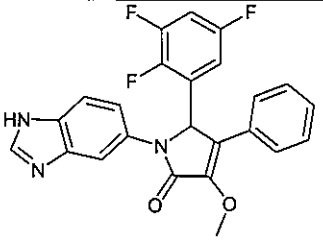
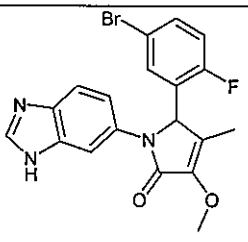
7. A compound according to claim 6, wherein R^2 represents methyl or unsubstituted phenyl.

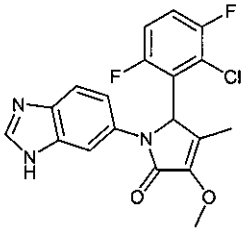
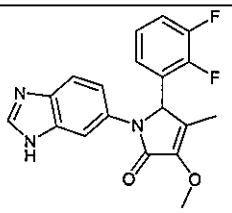
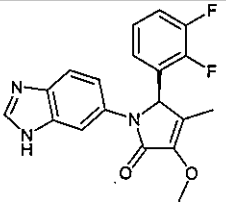
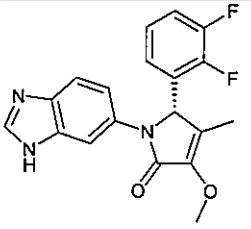
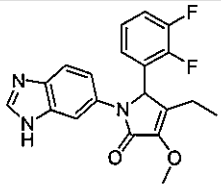
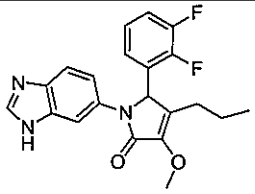
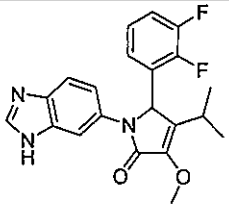
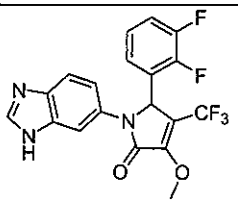
8. A compound according to any of claims 1 to 7, wherein R^3 represents C_{1-6}alkyl;

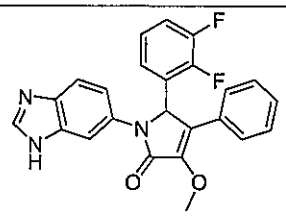
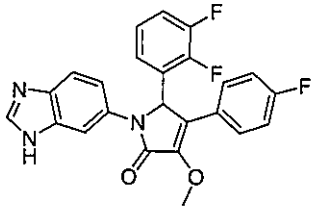
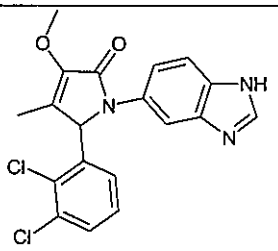
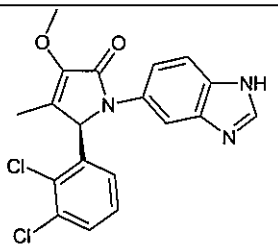
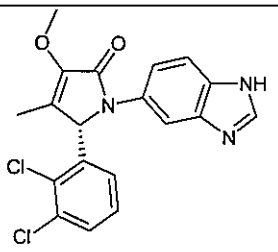
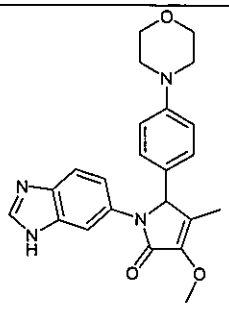
or

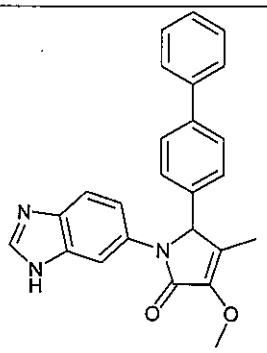
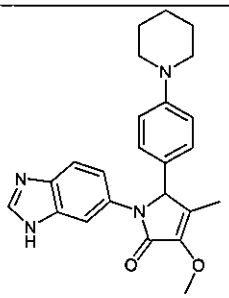
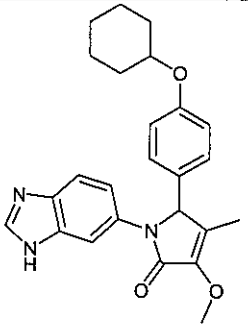
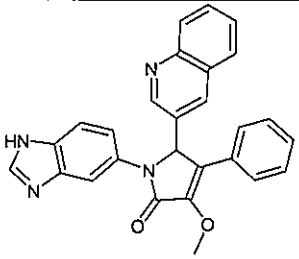
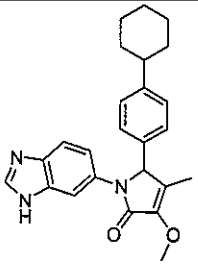
R^3 represents C_{1-6}haloalkyl.

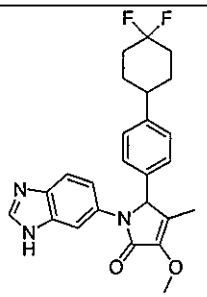
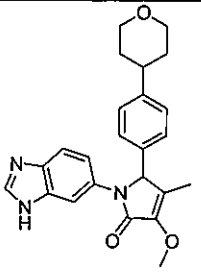
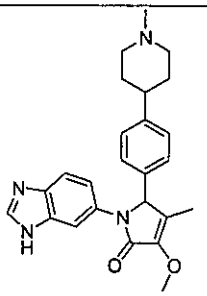
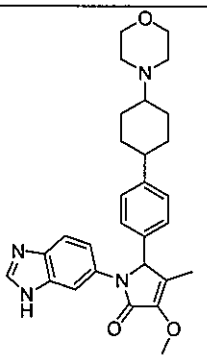
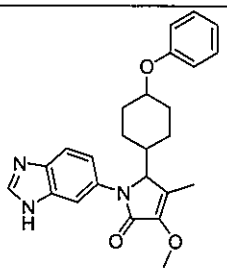
9. A compound according to any one of examples 1 to 35 or a pharmaceutically acceptable salt, solvate or polymorph thereof, including all tautomers and stereoisomers:

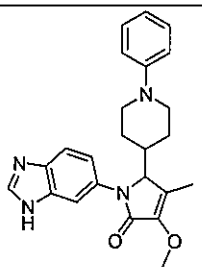
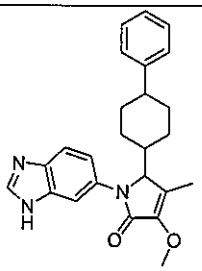
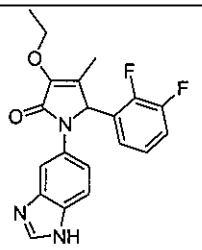
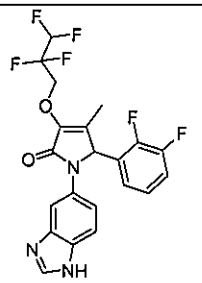
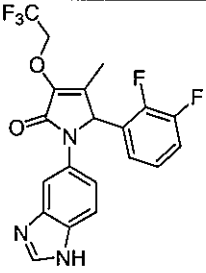
1		1-(1H-Benzo[d]imidazol-6-yl)-5-cyclohexyl-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
2		1-(1H-Benzo[d]imidazol-6-yl)-5-isopropyl-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
3		1-(1H-Benzo[d]imidazol-5-yl)-5-(2,6-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
4		1-(1H-Benzo[d]imidazol-5-yl)-5-(2,4,5-trifluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
5		1-(1H-Benzo[d]imidazol-5-yl)-5-(2,3,5-trifluorophenyl)-3-methoxy-4-phenyl-1H-pyrrol-2(5H)-one
6		1-(1H-Benzo[d]imidazol-6-yl)-5-(5-bromo-2-fluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one

7		1-(1H-Benzo[d]imidazol-6-yl)-5-(2-chloro-3,6-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
8		1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
9		(R)-1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
10		(S)-1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
11		1-(1H-Benzo[d]imidazol-6-yl)-4-ethyl-5-(2,3-difluorophenyl)-3-methoxy-1H-pyrrol-2(5H)-one
12		1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-propyl-1H-pyrrol-2(5H)-one
13		1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-4-isopropyl-3-methoxy-1H-pyrrol-2(5H)-one
14		1-(1H-Benzo[d]imidazol-6-yl)-4-(trifluoromethyl)-5-(2,3-difluorophenyl)-3-methoxy-1H-pyrrol-2(5H)-one

15		1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-phenyl-1H-pyrrol-2(5H)-one
16		1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-4-(4-fluorophenyl)-3-methoxy-1H-pyrrol-2(5H)-one
17		1-(1H-Benzo[d]imidazol-6-yl)-5-(2,3-dichlorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
18		(R)-1-(1H-Benzo[d]imidazol-5-yl)-5-(2,3-dichlorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
19		(S)-1-(1H-Benzo[d]imidazol-5-yl)-5-(2,3-dichlorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
20		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(4-morpholinophenyl)-1H-pyrrol-2(5H)-one

21		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(biphen-4-yl)-1H-pyrrol-2(5H)-one
22		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(4-(piperidin-1-yl)phenyl)-1H-pyrrol-2(5H)-one
23		1-(1H-Benzo[d]imidazol-6-yl)-5-(4-(cyclohexyloxy)phenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
24		1-(1H-Benzo[d]imidazol-5-yl)-3-methoxy-4-phenyl-5-(quinolin-3-yl)-1H-pyrrol-2(5H)-one
25		1-(1H-Benzo[d]imidazol-6-yl)-5-(4-cyclohexylphenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one

26		1-(1H-benzo[d]imidazol-6-yl)-5-(4-(4,4-difluorocyclohexyl)phenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
27		1-(1H-Benzo[d]imidazol-6-yl)-5-(4-(tetrahydro-2H-pyran-4-yl)phenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one
28		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(4-(1-methylpiperidin-4-yl)phenyl)-1H-pyrrol-2(5H)-one
29		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(4-(4-morpholinocyclohexyl)phenyl)-1H-pyrrol-2(5H)-one
30		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(4-phenoxycyclohexyl)-1H-pyrrol-2(5H)-one

31		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(1-phenylpiperidin-4-yl)-1H-pyrrol-2(5H)-one
32		1-(1H-Benzo[d]imidazol-6-yl)-3-methoxy-4-methyl-5-(4-phenylcyclohexyl)-1H-pyrrol-2(5H)-one
33		1-(1H-Benzo[d]imidazol-5-yl)-3-ethoxy-5-(2,3-difluorophenyl)-4-methyl-1H-pyrrol-2(5H)-one
34		3-(2,2,3,3-Tetrafluoropropoxy)-1-(1H-benzo[d]imidazol-5-yl)-5-(2,3-difluoro-phenyl)-4-methyl-1H-pyrrol-2(5H)-one
35		3-(2,2,2-Trifluoroethoxy)-1-(1H-benzo[d]imidazol-5-yl)-5-(2,3-difluorophenyl)-4-methyl-1H-pyrrol-2(5H)-one

10. A compound according to claim 1, which is 1-(1H-benzo[d]imidazol-6-yl)-5-(2,3-difluorophenyl)-3-methoxy-4-methyl-1H-pyrrol-2(5H)-one or a pharmaceutically acceptable salt, solvate or polymorph thereof.

11. A compound according to claims 1 to 10, for use as a medicament.

12. A pharmaceutical composition comprising a compound according to any one of claims 1 to 11, optionally in combination with one or more therapeutically acceptable diluents or carriers.

13. The pharmaceutical composition of claim 12, which comprises additionally at least one compound, selected from the group consisting of neuroprotectants, antiparkinsonian drugs, amyloid protein deposition inhibitors, beta amyloid synthesis inhibitors, antidepressants, anxiolytic drugs, antipsychotic drugs and anti-multiple sclerosis drugs;

or

which comprises additionally at least one compound, selected from the group consisting of PEP-inhibitors, LiCl, inhibitors of inhibitors of DP IV or DP IV-like enzymes, acetylcholinesterase (ACE) inhibitors, PIMT enhancers, inhibitors of beta secretases, inhibitors of gamma secretases, inhibitors of neutral endopeptidase, inhibitors of Phosphodiesterase-4 (PDE-4), TNFalpha inhibitors, muscarinic M1 receptor antagonists, NMDA receptor antagonists, sigma-1 receptor inhibitors, histamine H3 antagonists, immunomodulatory agents, immunosuppressive agents or an agent selected from the group consisting of antegren (natalizumab), Neurelan (fampridine-SR), campath (alemtuzumab), IR 208, NBI 5788/MSP 771 (tiplimotide), paclitaxel, Anergix.MS (AG 284), SH636, Differin (CD 271, adapalene), BAY 361677 (interleukin-4), matrix-metalloproteinase-inhibitors, interferon-tau (trophoblastin) and SAIK-MS.

14. A compound according to any one of claims 1 to 10, or a pharmaceutical composition according to any one of claims 13 or 14 for use in the treatment of a disease selected from the group consisting of Kennedy's disease, duodenal cancer with or without *Helicobacter pylori* infections, colorectal cancer, Zolliger-Ellison syndrome, gastric cancer with or without *Helicobacter pylori* infections, pathogenic psychotic conditions, schizophrenia, infertility, neoplasia, inflammatory host responses, cancer, malign metastasis, melanoma, psoriasis, impaired humoral and cell-mediated immune responses, leukocyte adhesion and migration processes in the endothelium, impaired food intake, impaired sleep-wakefulness, impaired homeostatic regulation of energy metabolism, impaired autonomic function, impaired hormonal balance or impaired regulation of body fluids, multiple sclerosis, the Guillain-Barré syndrome and chronic inflammatory demyelinizing polyradiculoneuropathy;

or

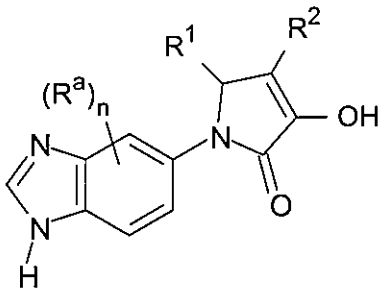
for use in the treatment of a disease selected from the group consisting of mild cognitive impairment, Alzheimer's disease, Familial British Dementia, Familial Danish Dementia, neurodegeneration in Down Syndrome and Huntington's disease;

or

for use in the treatment of a disease selected from the group consisiting of rheumatoid arthritis, atherosclerosis, pancreatitis and restenosis.

15. A process for preparation of a compound of formula (I) according to any one of claims 1 to 10, which comprises:

(a) preparing a compound of formula (I) from a compound of formula (II)



(II)

wherein R^a, n, R^1 and R^2 are as defined in claim 1; and/or

(b) deprotecting a compound of formula (I) which is protected.