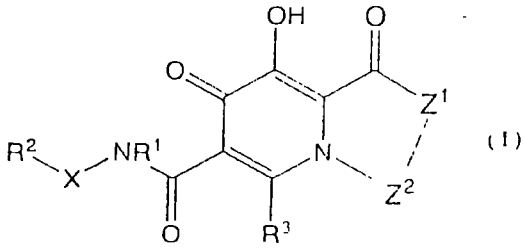
[Name of Document] Scope of Claims

1. A compound of the formula



(I)

(wherein,

Z^1 is NR^4;

R^4 is hydrogen, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted cycloalkyl lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted aryl, optionally substituted aryl lower alkyl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycle lower alkyl, optionally substituted heterocycleoxy, hydroxy, optionally substituted amino, optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue or lower alkyl substituted with optionally substituted phosphoric acid residue (the lower alkyl may be intervened by a heteroatom group selected from CO, O, S, SO, SO_2, NR^a (R^a is hydrogen or lower alkyl), -N= and =N-)), O or CH_2.

Z^2 is optionally substituted lower alkylene or optionally substituted lower alkenylene, each may be intervened by a heteroatom group selected from O, S, SO, SO_2, NR^5 (R^5 is hydrogen, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted cycloalkyl lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted aryl, optionally substituted aryl lower alkyl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycle lower alkyl, optionally substituted heterocycleoxy, hydroxy or optionally substituted amino, optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue or lower alkyl substituted with optionally substituted phosphoric acid residue (the lower alkyl may be intervened by a heteroatom group selected from CO, O, S, SO, SO_2, NR^5 (R^5 is selected independently from the same substituent group as R^4), -N= and =N-)), -N= or

=N-;

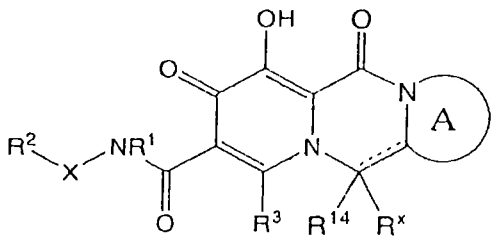
R^1 is hydrogen or lower alkyl;

X is a single bond, a heteroatom group selected from O, S, SO, SO_2 and NH, or lower alkylene or lower alkenylene each may be intervened by the heteroatom;

R^2 is optionally substituted aryl;

R^3 is hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycleoxy or optionally substituted amino;

R^4 and Z^2 part taken together forms a ring, where the compound (I) is represented by the following formula (I-1), or (I-11)



(I-1)

(wherein,

A ring is optionally substituted heterocycle;

R^{14} and R^x are independently hydrogen, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted cycloalkyl lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryl lower alkyl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycle lower alkyl, optionally substituted heterocycleoxy, optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue or lower alkyl substituted with optionally substituted phosphoric acid residue (the lower alkyl may be intervened by a heteroatom group selected from O, S, SO, SO_2, NR^5 (R^5 is selected independently from the same substituent group as R^4), -N= and =N-), hydroxy, optionally substituted amino, optionally substituted lower alkyl carbonyl, optionally substituted cycloalkylcarbonyl, optionally substituted cycloalkyl lower alkyl carbonyl, optionally substituted lower alkoxy carbonyl, optionally substituted arylcarbonyl, optionally substituted aryl lower alkyl carbonyl, optionally substituted aryloxycarbonyl, optionally substituted heterocyclecarbonyl, optionally substituted

heterocycle lower alkyl carbonyl, optionally substituted heterocycleoxy carbonyl or optionally substituted aminocarbonyl;

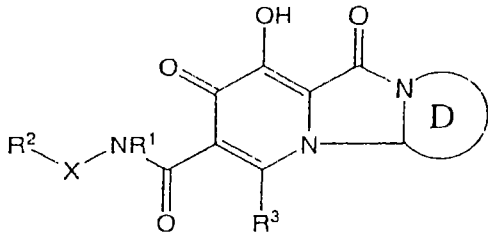
a broken line represents the presence or absence of a bond, provided that when the broken line represents the presence of a bond, R^X is not present;

R^1 is hydrogen or lower alkyl,

X is a single bond, a heteroatom group selected from O, S, SO, SO_2 and NH, or lower alkylene or lower alkenylene each may be intervened by the heteroatom group,

R^2 is optionally substituted aryl;

R^3 is hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycleoxy or optionally substituted amino)



(I-11)

(wherein,

D ring is optionally substituted heterocycle;

R^1 is hydrogen or lower alkyl,

X is a single bond, a heteroatom group selected from O, S, SO, SO_2 and NH, or lower alkylene or lower alkenylene each may be intervened by the heteroatom group;

R^2 is optionally substituted aryl,

R^3 is hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycleoxy or optionally substituted amino)),

or a pharmaceutically acceptable salt, or solvate thereof.

2 A compound according to Claim 1, pharmaceutically acceptable salt, or solvate thereof, wherein R^1 is hydrogen.

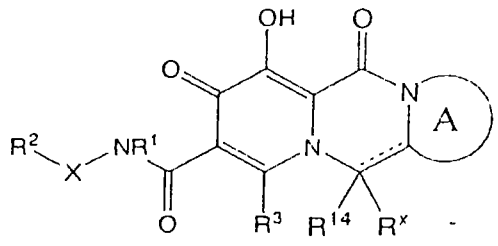
3. A compound according to Claim 1, pharmaceutically acceptable salt, or solvate thereof, wherein X is lower alkylene, R^2 is phenyl or phenyl substituted with at least halogen

4 A compound according to Claim 1, pharmaceutically acceptable salt, or solvate thereof, wherein R^3 is hydrogen, halogen, hydroxy, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy or optionally substituted amino

5. A compound according to Claim 1, pharmaceutically acceptable salt, or solvate thereof, wherein R^3 is hydrogen

6. A compound according to Claim 1, pharmaceutically acceptable salt, or solvate thereof, wherein R^1 is hydrogen or lower alkyl; X is lower alkylene; R^2 is phenyl or phenyl substituted with at least halogen; R^3 is hydrogen, halogen, hydroxy, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy or optionally substituted amino.

7. A compound of the formula



(I-1)

(wherein,

A ring is optionally substituted heterocycle;

R^{14} and R^X are independently hydrogen, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted cycloalkyl lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryl lower alkyl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycle lower alkyl, optionally substituted heterocycleoxy, optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue or lower alkyl substituted with optionally substituted phosphoric acid residue (the lower alkyl may be intervened by a heteroatom group selected from O, S, SO, SO_2, NR^6 (R^6 is selected independently from the same substituent group as R^1), -N= and =N-), hydroxy, optionally substituted amino, optionally substituted lower alkyl carbonyl, optionally substituted cycloalkylcarbonyl, optionally substituted cycloalkyl lower alkyl carbonyl, optionally substituted lower alkoxy carbonyl, optionally substituted arylcarbonyl, optionally substituted aryl lower alkyl carbonyl, optionally substituted aryloxycarbonyl, optionally substituted heterocyclecarbonyl, optionally substituted

heterocycle lower alkyl carbonyl, optionally substituted heterocycleoxy carbonyl or optionally substituted aminocarbonyl;

a broken line represents the presence or absence of a bond, provided that when the broken line represents the presence of a bond, R^X is not present;

R^1 is hydrogen or lower alkyl,

X is a single bond, a heteroatom group selected from O, S, SO, SO_2 and NH, or lower alkylene or lower alkenylene each may be intervened by the heteroatom group;

R^2 is optionally substituted aryl;

R^3 is hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycleoxy or optionally substituted amino),

or a pharmaceutically acceptable salt, or solvate thereof

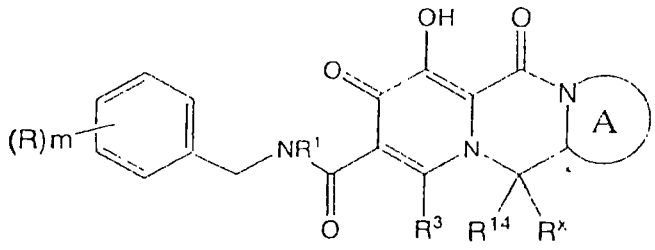
8. A compound according to Claim 7, pharmaceutically acceptable salt, or solvate thereof, wherein R^1 is hydrogen or lower alkyl; X is lower alkylene; R^2 is phenyl or phenyl substituted with at least halogen; R^3 is hydrogen, halogen, hydroxy, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy or optionally substituted amino.

9. A compound according to Claim 7, pharmaceutically acceptable salt, or solvate thereof, wherein a broken line represents the absence of a bond.

10. A compound according to Claim 7, pharmaceutically acceptable salt, or solvate thereof, wherein R^X is hydrogen, R^{14} is hydrogen or optionally substituted lower alkyl.

11. A compound according to Claim 7, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is an optionally substituted and optionally condensed 5- to 7-membered heterocycle containing 1 to 2 hetero atom(s)

12 A compound of the formula:



(I-1-1)

(wherein,

A ring is an optionally substituted and optionally condensed 5- to 7- membered

heterocycle containing 1 to 2 hetero atom(s),

the stereochemistry of an asymmetric carbon represented by * shows R- or S-configuration, or a mixture thereof;

R^{14} and R^{X} are independently hydrogen, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted cycloalkyl lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryl lower alkyl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycle lower alkyl, optionally substituted heterocycleoxy, optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue or lower alkyl substituted with optionally substituted phosphoric acid residue (the lower alkyl may be intervened by a heteroatom group selected from O, S, SO, SO_2, NR^5 (R^5 is selected independently from the same substituent group as R^4), -N= and =N-), hydroxy, optionally substituted amino, optionally substituted lower alkyl carbonyl, optionally substituted cycloalkylcarbonyl, optionally substituted cycloalkyl lower alkyl carbonyl, optionally substituted lower alkoxy carbonyl, optionally substituted arylcarbonyl, optionally substituted aryl lower alkyl carbonyl, optionally substituted aryloxycarbonyl, optionally substituted heterocyclecarbonyl, optionally substituted heterocycle lower alkyl carbonyl, optionally substituted heterocycleoxy carbonyl or optionally substituted aminocarbonyl;

R^3 is hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycleoxy or optionally substituted amino), its pharmaceutically acceptable salt, or

R^1 is hydrogen or lower alkyl,

R is independently selected from halogen and Substituent group S1,

Substituent group S1: optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue, or lower alkyl substituted with optionally substituted phosphoric acid residue (wherein the lower alkyl may be intervened with a heteroatom group(s) selected from CO, O, O, S, SO, SO_2, NR^a (R^a is hydrogen or lower alkyl), -N= and =N-), lower alkoxy lower alkyl, amino lower alkyl optionally

substituted with mono- or di- lower alkyl, halogenated lower alkyl, lower alkoxy, carbamoyl optionally substituted with mono- or di- lower alkyl, optionally substituted lower alkyl sulfonyl amino, halogenated lower alkoxy, hydroxy lower alkyl)

m is an integer of 0 to 3),

or a pharmaceutically acceptable salt, or solvate thereof

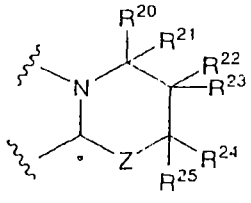
13. A compound according to Claim 12, pharmaceutically acceptable salt, or solvate thereof, wherein R^X and R^{14} are independently hydrogen or optionally substituted lower alkyl.

14. A compound according to Claim 12, pharmaceutically acceptable salt, or solvate thereof, wherein R^X and R^{14} are hydrogens

15. A compound according to Claim 12, pharmaceutically acceptable salt, or solvate thereof, wherein R^3 is hydrogen.

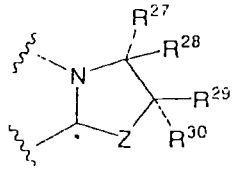
16 A compound according to Claim 12, pharmaceutically acceptable salt, or solvate thereof, wherein m is 0, or 1 to 3 and at least one of R is halogen

17. A compound according to Claim 7 or 12, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is any one of the followings:



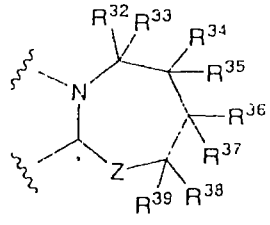
Z = O or NR^{26}

(A-1)



Z = O or NR^{31}

(A-2)



Z = O or NR^{40}

(A-3)

(wherein, R^{20} to R^{40} are each independently a group selected from Substituent group S2, or any two groups of R^{20} to R^{40}, which bonds to the same carbon atom, taken together with the carbon atom, may form an optionally substituted carbocyle or optionally substituted heterocycle, or each combination of (R^{20} and R^{22}), (R^{24} and R^{21}), (R^{25} and R^{26}), (R^{27} and R^{29}), (R^{30} and R^{31}), (R^{32} and R^{34}), (R^{35} and R^{36}), (R^{37} and R^{38}), and (R^{39}andR^{40}), taken together with the neighboring atom, may form an optionally substituted carbocyle or optionally substituted heterocycle.

Substituent group S2 hydrogen, optionally substituted lower alkyl, optionally

substituted cycloalkyl, optionally substituted cycloalkyl lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryl lower alkyl, optionally substituted aryloxy, optionally substituted heterocycle, optionally substituted heterocycle lower alkyl, optionally substituted heterocycleoxy, hydroxy, optionally substituted amino, optionally substituted lower alkylcarbonyl, optionally substituted cycloalkylcarbonyl, optionally substituted cycloalkyl lower alkylcarbonyl, optionally substituted lower alkoxycarbonyl, optionally substituted arylcarbonyl, optionally substituted aryl lower alkylcarbonyl, optionally substituted aryl oxycarbonyl, optionally substituted heterocyclecarbonyl, optionally substituted heterocycle lower alkylcarbonyl, optionally substituted heterocycleoxycarbonyl, optionally substituted aminocarbonyl, optionally substituted phosphoric acid residue, aryl substituted with optionally substituted phosphoric acid residue, aralkyl substituted with optionally substituted phosphoric acid residue, hydroxy substituted with optionally substituted phosphoric acid residue, amino substituted with optionally substituted phosphoric acid residue, or lower alkyl substituted with optionally substituted phosphoric acid residue (the lower alkyl may be intervened with a heteroatom group(s) selected from CO, O, S, SO, SO_2, NR^5 (R^5 is independently selected from the same Substituent group as R^4), -N= and =N-)

the stereochemistry of an asymmetric carbon represented by * shows R- or S- configuration, or a mixture thereof)

18. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein R^{20} to R^{40} are each independently hydrogen or substituted lower alkyl, or any two groups of R^{20} to R^{40}, which bonds to the same carbon atom, taken together with the carbon atom, may form an optionally substituted 3- to 7- membered carbocyle or optionally substituted 3- to 7- membered heterocycle, or each combination of (R^{20} and R^{22}), (R^{23} and R^{24}), (R^{25} and R^{26}), (R^{27} and R^{29}), (R^{30} and R^{31}), (R^{32} and R^{34}), (R^{35} and R^{36}), (R^{37} and R^{38}), and (R^{39}andR^{40}), taken together with the neighboring atom, may form an optionally substituted 5- to 7- membered carbocyle or optionally substituted 5- to 7- membered heterocycle

19. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-1), one of R^{20} to R^{25} is optionally substituted lower alkyl and the others are hydrogens

20. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-1); one of (R^{20} and R^{22}), (R^{23} and

optionally substituted 5- to 7- membered carbocyle or optionally substituted 5- to 7- membered heterocycle.

21. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-1); Z=NR^{26}, and R^{25} and R^{26} taken together with the neighboring atom may form an optionally substituted 5- to 7- membered heterocycle

22 A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-2); one of R^{27} to R^{30} is optionally substituted lower alkyl and the others are hydrogens.

23 A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-2), one of ($R^{27}$and R^{29}) and (R^{30} and R^{31}), taken together with the neighboring atom, may form an optionally substituted 5- to 7- membered carbocyle or optionally substituted 5- to 7- membered heterocycle.

24. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-2); Z=NR^{31}, and R^{30} and R^{31} taken together with the neighboring atom may form an optionally substituted 5- to 7- membered heterocycle.

25. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-3); one of R^{32} to R^{39} is optionally substituted lower alkyl and the others are hydrogens

26 A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-3); one of (R^{32}andR^{34}),(R^{35}andR^{36}),(R^{37}andR^{38}),and(R^{39}andR^{40}), taken together with the neighboring atom, may form an optionally substituted 5- to 7- membered carbocyle or optionally substituted 5- to 7- membered heterocycle

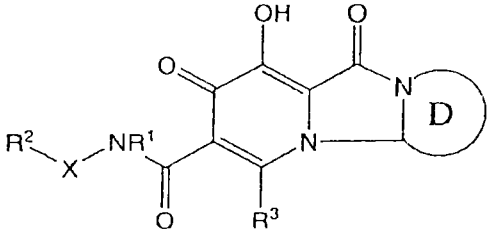
27. A compound according to Claim 17, pharmaceutically acceptable salt, or solvate thereof, wherein A ring is a ring represented by (A-3), Z=NR^{40}, and R^{39} and R^{40} taken together with the neighboring atom may form an optionally substituted 5 to 7- membered heterocycle.

28. A compound according to Claim 12, pharmaceutically acceptable salt, or solvate thereof, wherein R^X is hydrogen; R^{11} is hydrogen or optionally substituted lower, R^1 is hydrogen; m is 1 to 3 and at least one of Rs is halogen, A ring is a ring described in

Claim 17.

29 A compound according to Claim 12, pharmaceutically acceptable salt, or solvate thereof, wherein R^X is hydrogen; R^{14} is hydrogen, R^3 is hydrogen, m is 0, or 1 to 3 and at least one of R is halogen; A ring is a ring described in Claim 17; R^{20} to R^{40} are each independently hydrogen or substituted lower alkyl, or any two groups of R^{20} to R^{40}, which bonds to the same carbon atom, taken together with the carbon atom, may form an optionally substituted 3- to 7- membered carbocyle or optionally substituted 3- to 7- membered heterocycle, or each combination of (R^{20} and R^{22}), (R^{23} and R^{24}), (R^{25} and R^{26}), (R^{27} and R^{29}), (R^{30} and R^{31}), (R^{32} and R^{34}), (R^{35} and R^{36}), (R^{37} and R^{38}), and (R^{39}andR^{40}), taken together with the neighboring carbon atom, may form an optionally substituted 5- to 7- membered carbocyle or optionally substituted 5- to 7- membered heterocycle

30 A compound of the formula:



(I-11)

(wherein,

D ring is optionally substituted heterocycle;

R^1 is hydrogen or lower alkyl;

X is a single bond, a heteroatom group selected from O, S, SO, SO_2 and NH, or lower alkylene or lower alkenylene each may be intervened by the heteroatom group,

R^2 is optionally substituted aryl,

R^3 is hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted cycloalkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted aryl, optionally substituted aryloxy, optionally substituted heterocyclic group, optionally substituted heterocycleoxy or optionally substituted amino),

or a pharmaceutically acceptable salt, or solvate thereof

31 A compound selected from the group consisting of

(3*R*,11a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-methyl 5,7 dioxo-2,3,5,7,11,11a -hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(4a*R*,13a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-10-hydroxy-9,11-dioxo-2,3,4a,5,9,11,13,13a-octahydro-1*H*-pyrido[1,2-*a*]pyrrolo[1',2':3,4]imidazo[1,2-*d*]pyrazine-8-carboxamide,

(3a*S*,13a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-8-hydroxy-7,9-dioxo-1,2,3,3a,4,5,7,9,13,13a-decahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrrolo[1,2-*c*]pyrimidine-10-carboxamide;

(4a*S*,13a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-10-hydroxy-9,11-dioxo-2,3,4a,5,9,11,13,13a-octahydro-1*H*-pyrido[1,2-*a*]pyrrolo[1',2':3,4]imidazo[1,2-*d*]pyrazine-8-carboxamide;

(4a*S*,13a*R*)-*N*-[(4-Fluorophenyl)methyl]-10-hydroxy-9,11-dioxo-2,3,4a,5,9,11,13,13a-octahydro-1*H*-pyrido[1,2-*a*]pyrrolo[1',2':3,4]imidazo[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy 5,7-dioxo-3-(phenylmethyl)-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3a*S*,13a*S*)-*N*-[(4-Fluorophenyl)methyl]-8 hydroxy-7,9-dioxo-1,2,3,3a,4,5,7,9,13,13a-decahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrrolo[1,2-*c*]pyrimidine-10-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-[(1*S*)-1-methylpropyl]-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-methyl-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(4 Fluorophenyl)methyl]-6-hydroxy-3-methyl-5,7-dioxo 2,3,5,7,11,11a-he

xahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-3-(1,1-dimethylethyl)-6-hydroxy-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-3-(1,1-Dimethylethyl)-*N*-[(4-fluorophenyl)methyl]-6-hydroxy-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-5,7-dioxo-3-phenyl-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-(hydroxymethyl)-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(2*S*,3*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-methyl-5,7-dioxo-2-phenyl-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*R*,11a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-5,7-dioxo-3-(phenylmethyl)-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*R*,11a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3 (2-methylpropyl)-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(5a*R*,14a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-11-hydroxy-10,12-dioxo-1,2,3,4,5a,6,10,12,14,14a-decahydropyrido[1,2-*a*]pyrido[1',2''3,4]imidazo[1,2-*d*]pyrazine-9 carboxamide,

(2*S*,3*S*)-*N*-[(2,4-Difluorophenyl)methyl] 6-hydroxy-3-[(methyloxy)methyl]-5,7-dioxo-2-phenyl-2,3,5,7,11,11a hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-3-(Cyclohexylmethyl)-*N*-[(2,4-difluorophenyl)methyl]-6-hydroxy-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-(1-methylethyl)-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(5a*R*,14a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-5a,6a,7,11,13,14a-hexahydro-5*H*-indeno[1',2':4,5][1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-10-carboxamide;

(2*S*,3*R*,11a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-5,7-dioxo-2,3-diphenyl-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(2*S*,3*R*,11a*R*)-*N*-[(2,4-difluorophenyl)methyl]-6-hydroxy-5,7-dioxo-2,3-diphenyl-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3*R*,11a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-(1-methylethyl)-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-[2-(methylthio)ethyl]-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-[2-(methylsulfonyl)ethyl]-5,7-di
oxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-(1*H*-indol-3-ylmethyl)-5,7-dioxo
-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(4*R*,12a*R*)-*N*-[(4-fluorophenyl)methyl]-7-hydroxy-4-methyl-1-(2-methylpropyl)-6,8-diox
o-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamid
e;

(4*R*,12a*R*)-*N*-[(4-Fluorophenyl)methyl]-7-hydroxy-4-methyl-1-(1-methylethyl)-6,8-dioxo
-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamid
e;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-1-(2-methylpropyl)-6,8-
dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxa
mide;

(4*S*,12a*S*)-1-(Cyclopropylmethyl)-*N*-[(2,4-difluorophenyl)methyl]-7-hydroxy-4-methyl-6
,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carbo
xamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-1-(2-furanylmethyl)-7-hydroxy-4-methyl-6,8
-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carbox
amide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-6,8-dioxo-1-(1,3-thiazol-2-ylmethyl)-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4a*R*,6a*R*,14a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-1,3,4,4a,5,6a,7,11,13,14a-decahydro-2*H*-pyrido[1',2':4,5]pyrazino[1,2-*a*][3,1]benzoxazine-10-carboxamide;

(4a*R*,6a*R*,14a*S*)-*N*-[(4-Fluorophenyl)methyl]-12-hydroxy-11,13-dioxo-1,3,4,4a,5,6a,7,11,13,14a-decahydro-2*H*-pyrido[1',2':4,5]pyrazino[1,2-*a*][3,1]benzoxazine-10-carboxamide;

(3*S*,4a*R*,6a*R*,14a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-3-phenyl-1,3,4,4a,5,6a,7,11,13,14a-decahydro-2*H*-pyrido[1',2':4,5]pyrazino[1,2-*a*][3,1]benzoxazine-10-carboxamide;

(4aS,6aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-12-hydroxy-6-(2-methylpropyl)-11,13-dioxo-1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2':4,5]pyrazino[1,2-a]quinazoline-10-carboxamide;

(6aR,7aS,11aS)-N-[(2,4-Difluorophenyl)methyl]-1-hydroxy-2,13-dioxo-2,6a,7,7a,8,9,10,11,11a,13-decahydro-6H-pyrido[1',2':4,5]pyrazino[1,2-a]benzimidazole-3-carboxamide;

(6aS,7aS,11aS)-N-[(2,4-Difluorophenyl)methyl]-1-hydroxy-2,13-dioxo-2,6a,7,7a,8,9,10,11,11a,13-decahydro-6H-pyrido[1',2':4,5]pyrazino[1,2-a]benzimidazole-3-carboxamide;

(5aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-11-hydroxy-10,12-dioxo-1,2,3,4,5a,6,10,12,14,14a-decahydropyrido[1,2-a]pyrido[1',2'-3,4]imidazo[1,2-d]pyrazine-9-carboxamide;

(4aR,14aR)-N-[(2,4-Difluorophenyl)methyl]-9-hydroxy-8,10-dioxo-2,3,4,4a,5,6,8,10,14,14a-decahydro-1H-pyrido[1,2-c]pyrido[1',2'-4,5]pyrazino[1,2-a]pyrimidine-11-carboxamide;

(4*R*,12a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-1-(3-methylbutyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2'-4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-1-(1-methylethyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2'-4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide,

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-1-(3-methylbutyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2'-4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-6,8-dioxo-1-(3-pyridinylmethyl)-1,2,3,4,6,8,12,12a-octahydropyrido[1',2'-4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide,

(4*S*,12a*S*)-1-Cyclopropyl-*N*-[(2,4-difluorophenyl)methyl]-7-hydroxy-4-methyl 6,8 dioxo-

1,2,3,4,6,8,12,12a-octahydropyrido[1',2' 4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide,

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-1-[2-(methyloxy)ethyl]-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2' 4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(3aS,5aS,13aS)-N-[(2,4-Difluorophenyl)methyl]-11-hydroxy-5-(2-methylpropyl)-10,12-dioxo-2,3,3a,4,5,5a,6,10,12,13a-decahydro-1H-cyclopenta[e]pyrido[1',2'-4,5]pyrazino[1,2-a]pyrimidine-9-carboxamide;

(3*R*,11a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-3-ethyl-6 hydroxy-5,7-dioxo 2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(4aS,6aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-12-hydroxy-6-[2-(4-morpholinyl)ethyl]-11,13-dioxo 1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2':4,5]pyrazino[1,2-a]quinazoline-10-carboxamide;

(3aR,5aR,13aS)-N-[(2,4-Difluorophenyl)methyl]-11-hydroxy-10,12-dioxo-1,2,3,3a,4,5a,6,10,12,13a decahydrocyclopenta[d]pyrido[1',2'-4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide,

(4aS,6aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-12-hydroxy-6-methyl-11,13-dioxo-1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2':4,5]pyrazino[1,2 a]quinazoline-10-carboxamide;

(4aS,6aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-12 hydroxy-6-[2-(methyloxy)ethyl]-11,

13-dioxo-1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2':4,5]pyrazino[1,2-a]quinazoline-10-carboxamide;

(4aS,6aS,14aS)-6-[2-(Acetylamino)ethyl]-N-[(2,4-difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2':4,5]pyrazino[1,2-a]quinazoline-10-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-3-ethyl-6-hydroxy-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-3-Butyl-*N*-[(2,4-difluorophenyl)methyl]-6-hydroxy-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-[(4-hydroxyphenyl)methyl]-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(4S,12aS)-1-Cyclobutyl-N-[(2,4-difluorophenyl)methyl]-7-hydroxy-4-methyl-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-a]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-6,8-dioxo-1-(tetrahydro-2*H*-thiopyran-4-yl)-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-1,4-bis(2-methylpropyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4aS,6aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-12-hydroxy-6-(2-hydroxyethyl)-11,13-d
ioxo-1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2' 4,5]pyrazino[1,2-a]quinazoli
ne-10-carboxamide;

(4aS,6aS,14aS)-6-Cyclopropyl-N-[(2,4-difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-
1,2,3,4,4a,5,6,6a,7,11,13,14a-dodecahydropyrido[1',2':4,5]pyrazino[1,2-a]quinazoline-1
0-carboxamide;

(4aS,6aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-6-[2-(1-pyrroli
dinyl)ethyl]-1,2,3,4,4a,5,6,6a,7,11,13,11a-dodecahydropyrido[1',2':4,5]pyrazino[1,2-a]q
uinazoline-10-carboxamide,

(4aS,14aS)-N-[(2,4-Difluorophenyl)methyl]-9-hydroxy-8,10-dioxo-2,3,4,4a,5,6,8,10,14,1
4a-decahydro-1H-pyrido[1,2-c]pyrido[1',2'-4,5]pyrazino[1,2 a]pyrimidine-11-carboxami
de,

(4S,12aS)-N-[(4-Fluorophenyl)methyl]-7-hydroxy-4-methyl-1-[2-(methyloxy)ethyl]-6,8-
dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2'-4,5]pyrazino[1,2-a]pyrimidine-9-carboxa
mide,

(4S,12aS)-1-Cyclobutyl-N-[(4-fluorophenyl)methyl]-7-hydroxy-4-methyl-6,8-dioxo-1,2,3
,4,6,8,12,12a-octahydropyrido[1 ,2' 4,5]pyrazino[1,2 a]pyrimidine-9-carboxamide,

(4S,12aS)-N-[(4-Fluorophenyl)methyl]-7-hydroxy-4-methyl-1-(2-methylpropyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-a]pyrimidine-9-carboxamide;

(4S,12aS)-N-[(4-Fluorophenyl)methyl]-7-hydroxy-1,4-dimethyl-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-a]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(4-Fluorophenyl)methyl]-7-hydroxy-4-methyl-6,8-dioxo-1-(tetrahydro-2*H*-thiopyran-4-yl)-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl] 7-hydroxy-1,4-dimethyl-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(4-Fluorophenyl)methyl]-7-hydroxy-4-methyl-1-(1-methylethyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-*N*-[(4-Fluorophenyl)methyl]-7-hydroxy-1,4-bis(2-methylpropyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

enantiomers thereof, diastereomers thereof, mixtures of enantiomers thereof, mixtures of diastereomers thereof, mixtures of enantiomers and diastereomers thereof, and pharmaceutically acceptable salts thereof

32. A compound selected from the group consisting of:

(4a*S*,13a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-10-hydroxy-9,11-dioxo-2,3,4a,5,9,11,13,13a-octahydro-1*H*-pyrido[1,2-*a*]pyrrolo[1',2'':3,4]imidazo[1,2-*d*]pyrazine-8-carboxamide;

(4a*S*,13a*R*)-*N*-[(4-Fluorophenyl)methyl]-10-hydroxy 9,11-dioxo-2,3,4a,5,9,11,13,13a-octahydro-1*H*-pyrido[1,2-*a*]pyrrolo[1',2'':3,4]imidazo[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-[(1*S*)-1-methylpropyl]-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide,

(3*S*,11a*R*)-*N*-[(2,4-Difluorophenyl)methyl]-6-hydroxy-3-methyl-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(3*S*,11a*R*)-*N*-[(4-Fluorophenyl)methyl]-6-hydroxy-3-methyl-5,7-dioxo-2,3,5,7,11,11a-hexahydro[1,3]oxazolo[3,2-*a*]pyrido[1,2-*d*]pyrazine-8-carboxamide;

(4*S*,12a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-7-hydroxy-4-methyl-1-(2-methylpropyl)-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide;

(4*S*,12a*S*)-1-(Cyclopropylmethyl)-*N*-[(2,4-difluorophenyl)methyl]-7-hydroxy 4-methyl-6,8-dioxo-1,2,3,4,6,8,12,12a-octahydropyrido[1',2':4,5]pyrazino[1,2-*a*]pyrimidine-9-carboxamide,

(4a*R*,6a*R*,14a*S*)-*N*-[(2,4-Difluorophenyl)methyl]-12-hydroxy-11,13-dioxo-1,3,4,4a,5,6a,7,11,13,14a-decahydro-2*H*-pyrido[1',2':4,5]pyrazino[1,2-*a*][3,1]benzoxazine-10-carboxa

mide;

(4a*R*,6a*R*,14a*S*)-*N*-[(4-Fluorophenyl)methyl]-12-hydroxy-11,13-dioxo-1,3,4,4a,5,6a,7,11,13,14a-decahydro-2*H*-pyrido[1',2':4,5]pyrazino[1,2-*a*][3,1]benzoxazine-10-carboxamide;

4S,9aR)-5-Hydroxy-4-methyl-6,10-dioxo-3,4,6,9,9a,10-hexahydro-2H-1-oxa-4a,8a-diaza-anthracene-7-carboxylic acid 2,4,-difluoro-benylamide,

4R,9aS)-5-Hydroxy-4-methyl-6,10-dioxo-3,4,6,9,9a,10-hexahydro-2H-1-oxa-4a,8a-diaza-anthracene-7-carboxylic acid 2,4,-difluoro-benylamide;

2R,9aS)-5-Hydroxy-2-methyl-6,10-dioxo 3,4,6,9,9a,10-hexahydro-2H-1-oxa-4a,8a-diaza-anthracene-7-carboxylic acid 4-fluoro-benylamide;

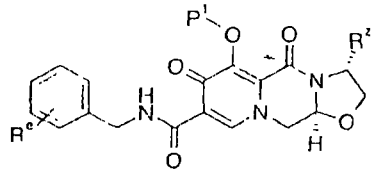
enantiomers thereof; diastereomers thereof; mixtures of enantiomers thereof; mixtures of diastereomers thereof; mixtures of enantiomers and diastereomers thereof; and pharmaceutically acceptable salts thereof.

33 A compound according to claims 31 or 32 wherein the pharmaceutically acceptable salt is a sodium salt.

34. A pharmaceutical composition comprising a compound according to any one of Claims 1 to 33, or a pharmaceutically acceptable salt, or solvate thereof.

35. A pharmaceutical composition according to Claim 34, which is an anti-HIV agent

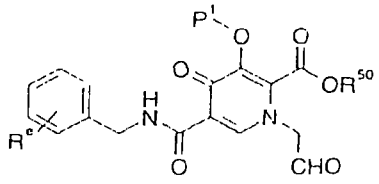
36 A process for the preparation of a compound of formula (I-20a)



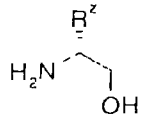
(I-20a)

wherein R^e is one or two halogen, R^z is C_{1-8}alkyl, C_{6-14}arylC_{1-8}alkyl, C_{6-14}aryl, or alkoxy, and P^1 is C_{6-14}arylC_{1-8}alkyl;

comprising condensing a compound of the formula

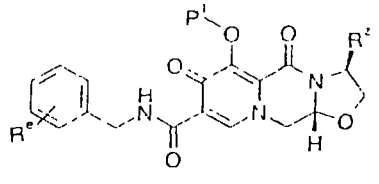


wherein R^e is one or two halogen, R^{50} is C_{1-8}alkyl, and P^1 is C_{6-14}arylC_{1-8}alkyl;
with a compound of the formula



wherein R^z is C_{1-8}alkyl, C_{6-14}arylC_{1-8}alkyl, C_{6-14}aryl, or alkoxy;
to form a compound of formula (I-20a).

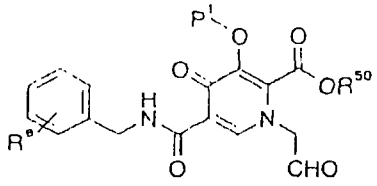
37. A process for the preparation of a compound of formula (I-20b)



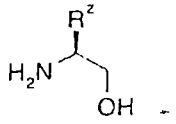
(I-20b)

wherein R^e is one or two halogen; R^z is C_{1-8}alkyl, C_{6-14}arylC_{1-8}alkyl, C_{6-14}aryl, or alkoxy, and P^1 is C_{6-14}arylC_{1-8}alkyl,

comprising condensing a compound of the formula

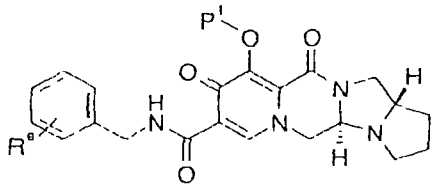


wherein R^e is one or two halogen; R^{50} is C_{1-8}alkyl; and P^1 is C_{6-11}arylC_{1-8}alkyl, with a compound of the formula



wherein R^z is C_{1-8}alkyl, C_{6-11}arylC_{1-8}alkyl, C_{6-11}aryl, or alkoxy;
to form a compound of formula (I-20b)

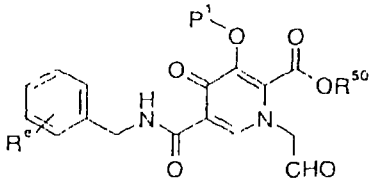
38. A process for the preparation of a compound of formula (I-21a)



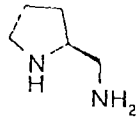
(I-21a)

wherein R^e is one or two halogen; and P^1 is C_{6-11}arylC_{1-8}alkyl;

comprising condensing a compound of the formula

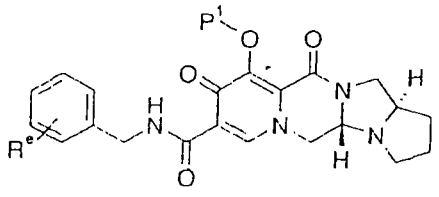


wherein R^e is one or two halogen; R^{50} is C_{1-8}alkyl, and P^1 is C_{6-11}arylC_{1-8}alkyl; with a compound of the formula



to form a compound of formula (I-21a)

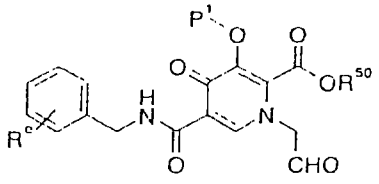
39. A process for the preparation of a compound of formula (I-21b)



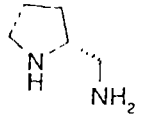
(I-21b)

wherein R^e is one or two halogen; and P^1 is C_6 arylC$_1$-salkyl;

comprising condensing a compound of the formula

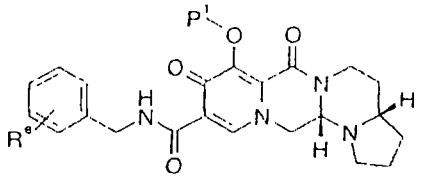


wherein R^e is one or two halogen, R^{50} is C$_1$ salkyl, and P^1 is C_6 arylC$_1$ salkyl; with a compound of the formula



to form a compound of formula (I 21b)

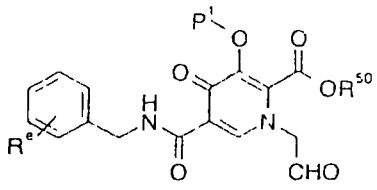
40. A process for the preparation of a compound of formula (I-22a)



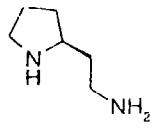
(I-22a)

wherein R^e is one or two halogen, and P^1 is C_6 arylC$_1$ salkyl,

comprising condensing a compound of the formula.

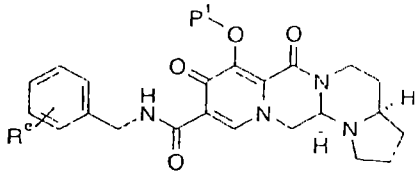


wherein R^e is one or two halogen, R^{50} is $C_{1\text{-}8}$alkyl; and P^1 is $C_{6\text{-}14}$aryl$C_{1\text{-}8}$alkyl; with a compound of the formula



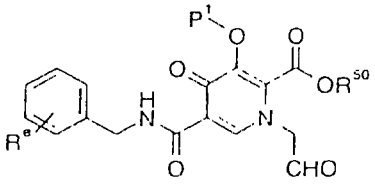
to form a compound of formula (I-22a).

41 A process for the preparation of a compound of formula (I-22b)

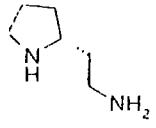


(I-22b)

wherein R^e is one or two halogen; and P^1 is $C_{6\text{-}14}$aryl$C_{1\text{-}8}$alkyl, comprising condensing a compound of the formula

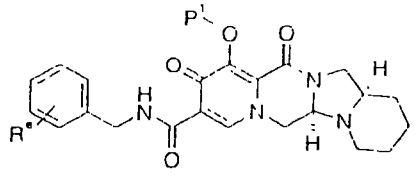


wherein R^e is one or two halogen, R^{50} is $C_{1\text{-}8}$alkyl; and P^1 is $C_{6\text{-}14}$aryl$C_{1\text{-}8}$alkyl, with a compound of the formula



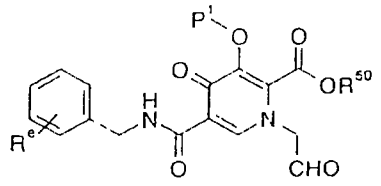
to form a compound of formula (I-22b).

42 A process for the preparation of a compound of formula (I-23a)

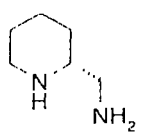


(I-23a)

wherein R^e is one or two halogen; and P^1 is C_{6-14}arylC$_{1-8}$alkyl;
comprising condensing a compound of the formula

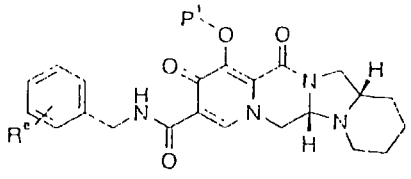


wherein R^e is one or two halogen; R^{50} is C_{1-8}alkyl; and P^1 is C_{6-14}arylC$_{1-8}$alkyl;
with a compound of the formula



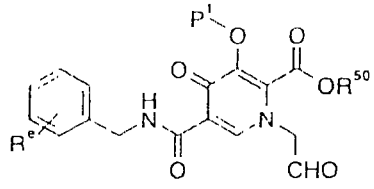
to form a compound of formula (I-23a).

43. A process for the preparation of a compound of formula (I-23b)

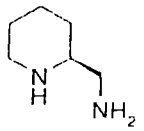


(I-23b)

wherein R^e is one or two halogen; and P^1 is C_{6-14}arylC$_{1-8}$alkyl,
comprising condensing a compound of the formula

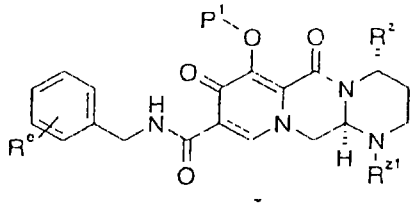


wherein R^e is one or two halogen, R^{50} is C_{1-8}alkyl; and P^1 is C_{6-14}arylC$_{1-8}$alkyl;
with a compound of the formula -



to form a compound of formula (I-23b).

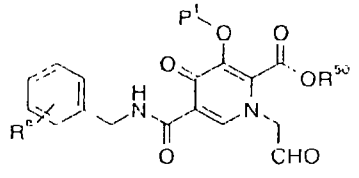
44. A process for the preparation of a compound of formula (I-24a)



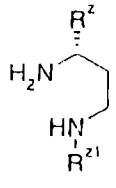
(I-24a)

wherein R^c is one or two halogen, R^{z1} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl,
and P^1 is C_{6-14}arylC_{1-8}alkyl,

comprising condensing a compound of the formula



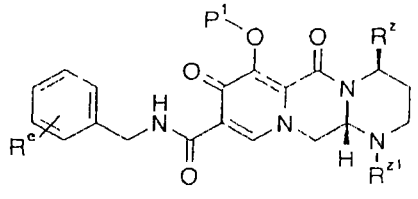
wherein R^c is one or two halogen; R^{50} is C_{1-8}alkyl; and P^1 is C_{6-14}arylC_{1-8}alkyl;
with a compound of the formula



wherein R^z is C_{1-8}alkyl, R^{z1} is hydrogen, C_{3-6}cycloalkyl, , heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl,

to form a compound of the formula (I-24a).

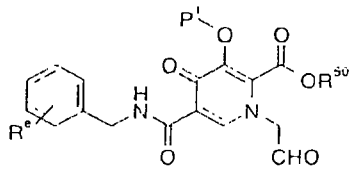
45. A process for the preparation of a compound of formula (I-24b)



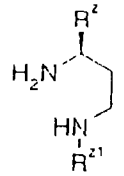
(I-24b)

wherein R^e is one or two halogen; R^{z1} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl;
and P^1 is C_{6-14}arylC_{1-8}alkyl,

comprising condensing a compound of the formula

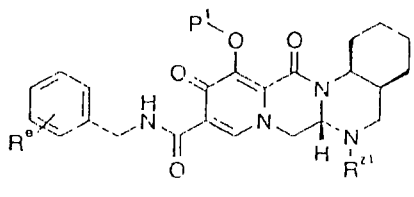


wherein R^e is one or two halogen, R^{50} is C_{1-8}alkyl, and P^1 is C_{6-14}arylC_{1-8}alkyl;
with a compound of the formula



wherein R^4 is C_{1-8}alkyl; R^{z1} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl;
to form a compound of the formula (I-24b)

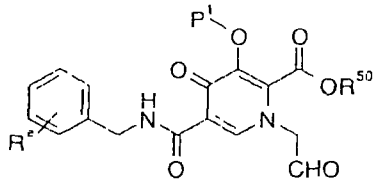
46. A process for the preparation of a racemic compound of formula (I-25)



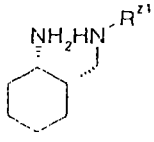
(I-25)

wherein R^e is one or two halogen; R^{z1} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl; and P^1 is C_{6-14}arylC_{1-8}alkyl;

comprising condensing a compound of the formula



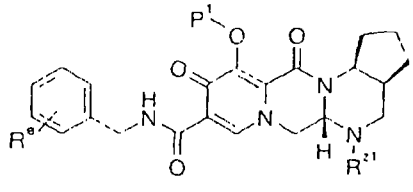
wherein R^e is one or two halogen; R^{50} is C_{1-8}alkyl; and P^1 is C_{6-14}arylC_{1-8}alkyl;
with a racemic compound of the formula



wherein R^{z1} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl;

to form a racemic compound of the formula (I-25).

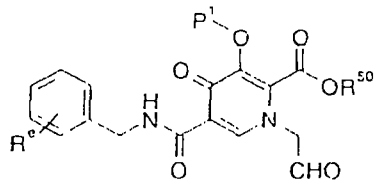
47 A process for the preparation of a racemic compound of formula (I-26)



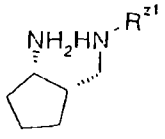
(I-26)

wherein R^e is one or two halogen; R^{z1} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl; and P^1 is C_{6-14}arylC_{1-8}alkyl;

comprising condensing a compound of the formula

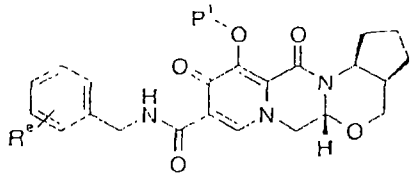


wherein R^e is one or two halogen, R^{50} is C_{1-8}alkyl; and P^1 is C_{6-14}arylC_{1-8}alkyl,
with a racemic compound of the formula



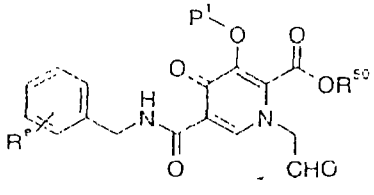
wherein R^{21} is hydrogen, C_{3-6}cycloalkyl, heterocycle, or C_{1-8}alkyl optionally substituted with hydroxy, C_{3-6}cycloalkyl, alkoxy, heterocycle, heteroaryl, C_{6-14}aryl, or amino, wherein said amino may be optionally substituted with $-C(O)C_{1-8}$alkyl or C_{1-8}alkyl,
to form a racemic compound of formula (I-26).

48 A process for the preparation of a racemic compound of formula (I-27)

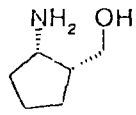


(I-27)

wherein R^e is halogen; and P^1 is C_{6-14}arylC_{1-8}alkyl,
comprising condensing a compound of the formula



wherein R^e is one or two halogen, R^{50} is C_{1-8}alkyl; and P^1 is C_{6-14}arylC_{1-8}alkyl;
with a racemic compound of the formula



to form a racemic compound of formula (I-27).

49. A method of treatment of an HIV infection in a human comprising administering to said human an antiviral effective amount of a compound according to any of claims 1 to 33.

50. A compound as claimed in any of claims 1 to 33 for use in medical therapy.

51. Use of a compound as claimed in any of claims 1 to 33 in the manufacture of a medicament for the treatment or prophylaxis of an HIV infection.

52. A compound of formula (I-20a) described in Claim 36 formula (I-20b) described in Claim 37, formula (I-21a) described in Claim 38, formula (I-21b) described in Claim 39, formula (I-22a) described in Claim 40, formula (I-22b) described in Claim 41, formula (I-23a) described in Claim 42, formula (I-23b) described in Claim 43, formula (I-24a) described in Claim 44, formula (I-24b) described in Claim 45, formula (I-25) described in Claim 46, formula (I-26) described in Claim 47, or formula (I-27) described in Claim 48, or a pharmaceutically acceptable salt thereof

53. A compound of formula (I-20a) described in Claim 36 formula (I-20b) described in Claim 37, formula (I-21a) described in Claim 38, formula (I-21b) described in Claim 39, formula (I-22a) described in Claim 40, formula (I-22b) described in Claim 41, formula (I-23a) described in Claim 42, formula (I-23b) described in Claim 43, formula (I-24a) described in Claim 44, formula (I-24b) described in Claim 45, formula (I-25) described in Claim 46, formula (I-26) described in Claim 47, or formula (I-27) described in Claim 48, or a pharmaceutically acceptable salt thereof, wherein each P^1 is hydrogen.

54 A pharmaceutical composition according to claim 34 wherein said composition comprises at least one additional therapeutic agent selected from reverse transcriptase inhibitors and protease inhibitors

55 A method of treatment of an HIV infection in a human comprising administering

33 and another therapeutic agent

56. The method according to claim 55 wherein said therapeutic agent is selected from reverse transcriptase inhibitors and protease inhibitors.