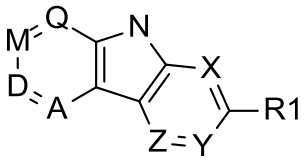
CLAIMS

1 – A compound of general formula I, or a pharmaceutically acceptable acid addition salt, a racemic mixture or its corresponding enantiomer and/or optical isomers thereof,



I

wherein

R1 is heterocyclyl selected from the group consisting of azetidine, pyrrolidine, piperidine and piperazine, optionally substituted by R2 ; or

heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxy or C1-C6 alkoxy, cyano, amino optionally substituted by C1-C6 alkyl optionally substituted by halogens, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group optionally substituted by halogens or C1-C6 alkyls optionally substituted by halogens ; or -NH-C(O)-R2 ;

R2 is heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxyl or C1-C6 alkoxy, cyano, amino, mono- or di-methyl-amino, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group;

X, Y, Z is independently N or CH, one and only one of them having to be a N ;

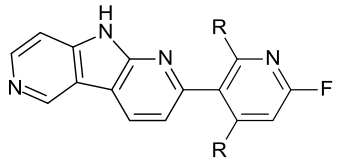
A, D, M, Q is independently N or C-R3, one and only one of them having to be a N ;

R3 is H ; halogens ; C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; C1-C6 alkoxy optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; di-methyl-amino ; NH-C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ;

and

wherein any H of the formula is H or its ^{2}H or ^{3}H isotope ; any C of the general formula is C or its radioactive isotope ^{14}C, or ^{11}C ; any F of the formula is F or its radioactive isotope ^{18}F ; any I of the formula is I or its radioactive isotope ^{123}I, or ^{124}I;

provided that the compound of formula I is not a compound of general formula Ro I



Ro I

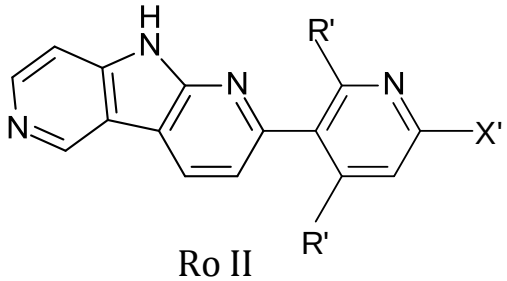
wherein

R is hydrogen or tritium;

F is fluoro or ^{18}fluoro;

or a pharmaceutically acceptable acid addition salt ; and

provided that the compound of formula I is not a compound of formula Ro II



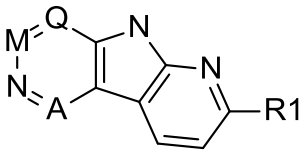
Ro II

wherein

R' is hydrogen; and

X' is Br, Cl, or NO_2.

2 - A compound of formula I-A, or a pharmaceutically acceptable acid addition salt, a racemic mixture or its corresponding enantiomer and/or optical isomers thereof,



I-A

wherein

R1 is heterocyclyl selected from the group consisting of azetidine, pyrrolidine, piperidine and piperazine, optionally substituted by R2 ; or

heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxy or C1-C6 alkoxy, cyano, amino optionally substituted by C1-C6 alkyl optionally

substituted by halogens, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group optionally substituted by halogens or C1-C6 alkyls optionally substituted by halogens ; or

-NH-C(O)-R2 ;

R2 is heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxyl or C1-C6 alkoxy, cyano, amino, mono- or di-methyl-amino, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group;

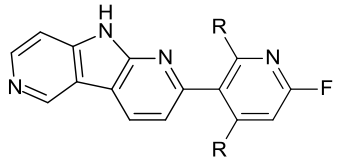
A, M, Q is CR3 ;

R3 is H ; halogens ; C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; C1-C6 alkoxy optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; di-methyl-amino ; NH-C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; and

and

wherein any H of the formula is H or its ^{2}H or ^{3}H isotope ; any C of the general formula is C or its radioactive isotope ^{14}C, or ^{11}C ; any F of the formula is F or its radioactive isotope ^{18}F ; any I of the formula is I or its radioactive isotope ^{123}I, or ^{124}I;

provided that the compound of formula I-A is not a compound of general formula Ro I



Ro I

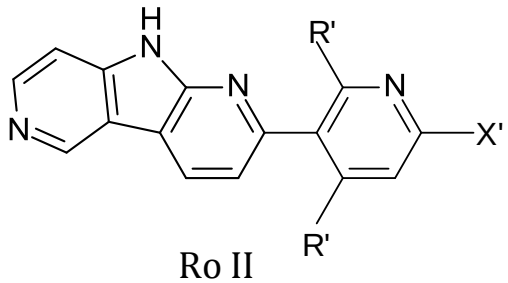
wherein

R is hydrogen or tritium;

F is fluoro or ^{18}fluoro;

or a pharmaceutically acceptable acid addition salt ; and

provided that the compound of formula I-A is not a compound of formula Ro II



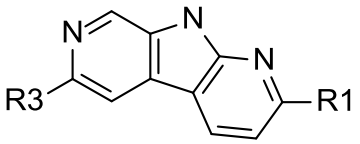
Ro II

wherein

R' is hydrogen; and

X' is Br, Cl, or NO_2.

3 - A compound of formula I-B, or a pharmaceutically acceptable acid addition salt, a racemic mixture or its corresponding enantiomer and/or optical isomers thereof,



I-B

wherein

R1 is heterocyclyl selected from the group consisting of azetidine, pyrrolidine, piperidine and piperazine, optionally substituted by R2 ; or

heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxy or C1-C6 alkoxy, cyano, amino optionally substituted by C1-C6 alkyl optionally substituted by halogens, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group optionally substituted by halogens or C1-C6 alkyls optionally substituted by halogens ; or

-NH-C(O)-R2 ;

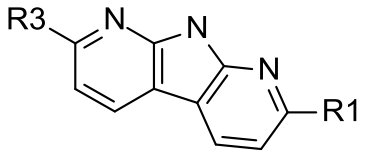
R2 is heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxyl or C1-C6 alkoxy, cyano, amino, mono- or di-methyl-amino, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or

C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group ;

R3 is H ; halogens ; C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; C1-C6 alkoxy optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; di-methyl-amino ; NH-C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; and

wherein any H of the formula is H or its ^{2}H or ^{3}H isotope ; any C of the general formula is C or its radioactive isotope ^{14}C, or ^{11}C ; any F of the formula is F or its radioactive isotope ^{18}F ; any I of the formula is I or its radioactive isotope ^{123}I, or ^{124}I.

4 - A compound of formula I-C, or a pharmaceutically acceptable acid addition salt, a racemic mixture or its corresponding enantiomer and/or optical isomers thereof,



I-C

wherein

R1 is heterocyclyl selected from the group consisting of azetidine, pyrrolidine, piperidine and piperazine, optionally substituted by R2 ; or

heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxy or C1-C6 alkoxy, cyano, amino optionally substituted by C1-C6 alkyl optionally substituted by halogens, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group optionally substituted by halogens or C1-C6 alkyls optionally substituted by halogens ; or

-NH-C(O)-R2 ;

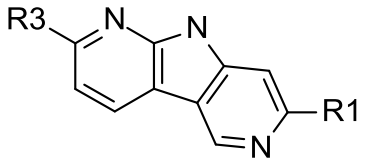
R2 is heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxyl or C1-C6 alkoxy, cyano, amino, mono- or di-methyl-amino, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group ;

R3 is H ; halogens ; C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; C1-C6 alkoxy optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; di-methyl-amino ; NH-C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ;

and

wherein any H of the formula is H or its ^{2}H or ^{3}H isotope ; any C of the general formula is C or its radioactive isotope ^{14}C, or ^{11}C ; any F of the formula is F or its radioactive isotope ^{18}F ; any I of the formula is I or its radioactive isotope ^{123}I, or ^{124}I.

5 - A compound of formula I-D, or a pharmaceutically acceptable acid addition salt, a racemic mixture or its corresponding enantiomer and/or optical isomers thereof,



I-D

wherein

R1 is heterocyclyl selected from the group consisting of azetidine, pyrrolidine, piperidine and piperazine, optionally substituted by R2 ; or

heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxy or C1-C6 alkoxy, cyano, amino optionally substituted by C1-C6 alkyl optionally substituted by halogens, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group optionally substituted by halogens or C1-C6 alkyls optionally substituted by halogens ; or

-NH-C(O)-R2 ;

R2 is heteroaromatics selected from the group consisting of pyrazole, furan, isoxazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from halogen, C1-C6 alkyls optionally substituted by halogens or hydroxyl or C1-C6 alkoxy, cyano, amino, mono- or di-methyl-amino, nitro, NHC(O)-C1-C6 alkyl, C(O)N-C1-C6 alkyl optionally substituted by halogens or hydroxy or C1-C6 alkoxy, C1-C6 alkoxy optionally substituted by halogens or hydroxy or C1-C6 alkoxy, a heterocyclyl group ;

R3 is H ; halogens ; C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; C1-C6 alkoxy optionally substituted by halogens, hydroxy or C1-C6 alkoxy ; di-methyl-amino ; NH-C1-C6 alkyls optionally substituted by halogens, hydroxy or C1-C6 alkoxy ;

and

wherein any H of the formula is H or its ^{2}H or ^{3}H isotope ; any C of the general formula is C or its radioactive isotope ^{14}C, or ^{11}C ; any F of the formula is F or its radioactive isotope ^{18}F ; any I of the formula is I or its radioactive isotope ^{123}I, or ^{124}I.

6 – A compound according to any of claims 1 to 5 wherein R1 is

- piperidine and piperazine, optionally substituted by R2 ; or
- heteroaromatics selected from the group consisting of pyrazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from fluorine, methyl or ethyl or propyl optionally substituted by fluorine or methoxy, cyano, amino optionally substituted by methyl or fluoro-ethyl, nitro, NHC(O)-methyl or ethyl or propyl optionally substituted by fluorine or methoxy, C(O)N-methyl or ethyl or propyl optionally substituted by fluorine or methoxy, methoxy or ethoxy or propoxy optionally substituted by fluorine or methoxy, a heterocyclyl group optionally substituted by fluorine or fluoromethyl.

7 – A compound according to claim 6 wherein R1 is pyrazole, thiazole, pyridine, pyrimidine optionally substituted by one or two substituents selected from fluorine, methyl or ethyl or propyl optionally substituted by fluorine or methoxy, cyano, amino optionally substituted by methyl or fluoro-ethyl, nitro, C(O)N-methyl or ethyl or propyl optionally substituted by fluorine or methoxy, methoxy or ethoxy or propoxy optionally substituted by fluorine or methoxy ; a morpholine or piperazine or piperidine, optionally substituted by fluorine or fluoromethyl.

8 – A compound according to any preceding claim wherein R2 is heteroaromatics selected from the group consisting of pyrazole, thiazole, pyridine, pyridine-2-one, pyrimidine, pyrazine, pyridazine optionally substituted by one or two substituents selected from fluorine, methyl or ethyl or propyl optionally substituted by fluorine or methoxy, cyano, amino, mono- or di-methyl-amino, nitro, NHC(O)-methyl or ethyl or propyl optionally substituted by fluorine or methoxy, C(O)N-methyl or ethyl or propyl optionally substituted by fluorine or methoxy, methoxy or ethoxy or propoxy optionally substituted by fluorine or methoxy, a heterocyclyl group.

9 – A compound according to claim 8 wherein R2 is pyrazole, thiazole, pyridine, pyrimidine optionally substituted by one or two substituents selected from fluorine, methyl or ethyl or propyl optionally substituted by fluorine or methoxy, cyano, amino, mono- or di-methyl-amino, nitro, C(O)N-methyl or ethyl or propyl optionally substituted by fluorine or methoxy, methoxy or ethoxy or propoxy optionally substituted by fluorine or methoxy ; a morpholine or piperazine.

10 - A compound according to claim 1 wherein X is N, Y is CH and Z is CH.

11 - A compound according to claim 1 wherein X is CH, Y is N, and Z is CH.

12 – A compound according to claim 1 wherein A is CH, D is N, M is C-R3, and Q is CH.

13 – A compound according to claim 1 wherein A is CH, D is N, M is CH, and Q is C-R3.

14 – A compound according to claim 1 wherein A is CH, D is C-R3, M is N, and Q is CH.

15 - A compound according to claim 1 wherein A is CH, D is CH, M is C-R3, and Q is N.

16 – A compound according to any preceding claim wherein R3 is H ; fluorine ; methyl or ethyl or propyl optionally substituted by fluorine, hydroxy or methoxy ; methoxy or ethoxy or propoxy optionally substituted by fluorine or hydroxyl or methoxy ; di-methyl-amino ; NH-methyl or ethyl or propyl optionally substituted by fluorine, hydroxy or methoxy.

17 – A compound according to any preceding claim wherein any H of the general formula is H or its ^{2}H or ^{3}H isotope .

18 – A compound according to any preceding claim wherein C of the general formula on a benzylic methyl or a methoxy is C or is its radioactive isotope ^{14}C or ^{11}C.

19 - A compound according to any preceding claim wherein any F of the general formula is F or is its radioactive isotope ^{18}F.

20 - A compound according to any preceding claim wherein I of the general formula on an alkyl or aromatic or heteroaromatic position is I or its radioactive isotope ^{123}I, or ^{124}I.

21 - A compound according to claim 2 which is selected from the group consisting of
2-(pyridin-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(2-methoxypyridin-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(pyridin-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(6-methoxypyridin-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridin-2(1H)-one
2-(5-fluoro-6-methoxypyridin-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(furan-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine

2-[2-(morpholin-4-yl)pyrimidin-5-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
N-methyl-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-2-carboxamide
3-fluoro-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridin-2-amine
2-[4-(pyrimidin-2-yl)piperazin-1-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-[4-(pyridin-4-yl)piperazin-1-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(1H-pyrazol-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
4-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridin-2-amine
4-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridin-2(1H)-one
2-(5-fluoropyridin-2-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-fluoro-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridin-3-amine
N-methyl-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyrimidin-2-amine
2-[6-(morpholin-4-yl)pyridin-3-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
N-(2-methoxyethyl)-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyrimidin-2-amine
2-[2-(piperazin-1-yl)pyrimidin-5-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-(5-methyl-1H-pyrazol-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-[1-(2-fluoroethyl)-1H-pyrazol-4-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
N-methyl-2-[4-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)-1H-pyrazol-1-yl]acetamide
N-methyl-6-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-3-carboxamide
N,N-dimethyl-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-2-carboxamide
N-(2-fluoroethyl)-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-2-carboxamide
N-(2-methoxyethyl)-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-2-carboxamide
2-(4-methoxy-1H-pyrazol-1-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
2-[2-(morpholin-4-yl)-1,3-thiazol-5-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
1-{4-[5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyrimidin-2-yl]piperazin-1-yl}ethanone
6-fluoro-N-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-3-carboxamide
6-(methylamino)-N-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-3-carboxamide
2-(6-fluoropyridin-3-yl)-7-methoxy-9H-pyrrolo[2,3-b:4,5-c']dipyridine
5-(7-methoxy-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)-N-methylpyridine-2-carboxamide
7-methoxy-2-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
7-methoxy-2-[2-(morpholin-4-yl)pyrimidin-5-yl]-9H-pyrrolo[2,3-b:4,5-c']dipyridine
6-(7-methoxy-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)-N-methylpyridine-3-carboxamide
5-(7-methoxy-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyrimidine-2-carbonitrile
2-(6-fluoropyridin-3-yl)-N,N-dimethyl-9H-pyrrolo[2,3-b:4,5-c']dipyridin-7-amine
5-[7-(dimethylamino)-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl]-N-methylpyridine-2-carboxamide
N,N-dimethyl-2-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridin-7-amine
2-(6-fluoropyridin-3-yl)-7-methyl-9H-pyrrolo[2,3-b:4,5-c']dipyridine
N-methyl-5-(7-methyl-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl)pyridine-2-carboxamide
7-methyl-2-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine

2-(6-fluoropyridin-3-yl)-7-(methoxymethyl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
5-[7-(methoxymethyl)-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl]-N-methylpyridine-2-carboxamide
7-(methoxymethyl)-2-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
N-methyl-5-[(5,7-$^{3}H_{2}$)-9H-pyrrolo[2,3-b:4,5-c']dipyridin-2-yl](6-^{3}H)pyridine-2-carboxamide
2-[1-methyl(3-^{3}H)-1H-pyrazol-4-yl](5,7-$^{3}H_{2}$)-9H-pyrrolo[2,3-b:4,5-c']dipyridine.

22 - A compound according to claim 3 which is selected from the group consisting of
2-(6-fluoropyridin-3-yl)-9H-pyrrolo[2,3-b:5,4-c']dipyridine
N-methyl-5-(9H-pyrrolo[2,3-b:5,4-c']dipyridin-2-yl)pyridin-2-amine
2-(1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:5,4-c']dipyridine
2-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:5,4-c']dipyridine
N-methyl-5-(9H-pyrrolo[2,3-b:5,4-c']dipyridin-2-yl)pyridine-2-carboxamide
2-(4-methoxy-1H-pyrazol-1-yl)-9H-pyrrolo[2,3-b:5,4-c']dipyridine
2-[6-fluoro(2-^{3}H)pyridin-3-yl](6,8-$^{3}H_{2}$)-9H-pyrrolo[2,3-b:5,4-c']dipyridine.

23 - A compound according to claim 4 which is selected from the group consisting of
2-(6-fluoropyridin-3-yl)-9H-pyrrolo[2,3-b:5,4-b']dipyridine
2-[4-(3-fluoropropyl)piperidin-1-yl]-9H-pyrrolo[2,3-b:5,4-b']dipyridine.

24 - A compound according to claim 5 which is selected from the group consisting of
7-(1-methyl-1H-pyrazol-4-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
7-(6-fluoropyridin-3-yl)-9H-pyrrolo[2,3-b:4,5-c']dipyridine
N-methyl-5-(9H-pyrrolo[2,3-b:4,5-c']dipyridin-7-yl)pyridine-2-carboxamide.

25 - A radiolabeled compound containing an isotope according to any of claims 1 to 24 for use as diagnostic and monitoring imaging tool of tau aggregates in the brain.

26 - A compound according to any of claims 1 to 24 for use as a medicament.

27 - A compound according to any of claims 1 to 24 for use as a medicament in the treatment of neurodegenerative diseases.

28 - Pharmaceutical composition containing a compound according to any of claims 1 to 24 as well as pharmaceutically acceptable excipients.

29 - Use of the compound according to any of claims 1 to 24 in the manufacture of a medicament for the treatment of neurodegenerative diseases.