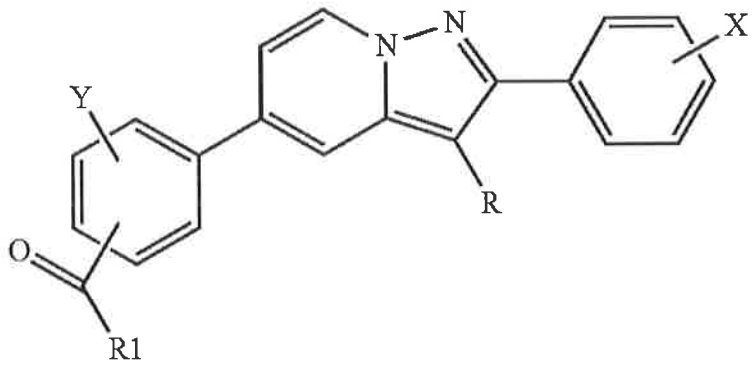
Claims

The invention claimed is:

1. A compound of formula (I):



(I)

n which:

R represents a hydrogen or halogen atom or a group (C1-C6)alkyl;

X represents one or more substituents chosen from a hydrogen or halogen atom and a group (C1-C6)alkyl, halo(C1-C6)alkyl, (C1-C6)alkoxy, halo(C1-C6)alkoxy, cyano, hydroxyl or hydroxy(C1-C6)alkyl;

Y represents a hydrogen or halogen atom or a group (C1-C6)alkyl;

R1 represents a group NR2R3 or OR4;

R2 and R3 represent, independently of each other, a hydrogen atom or a group (C1-C6)alkyl, hydroxy(C1-C6) alkyl or oxo(C1-C6)alkyl, or alternatively R2 and R3 form, with the nitrogen atom that bears them, a heterocycle optionally substituted with a group (C1-C6)alkyl, hydroxyl or oxo,

R4 represents a group (C1-C6)alkyl, hydroxy(C1-C6)alkyl or oxo(C1-C6)alkyl, in the form of base or of acid-addition salt.

2. The compound according to claim **1**, wherein
R represents a hydrogen or chlorine atom,
X represents one or more substituents chosen from a halogen atom and a group (C1-C6)alkyl, halo(C1-C6)alkyl, (C1-C6)alkoxy, halo(C1-C6)alkoxy or cyano,
Y represents a hydrogen atom, a halogen atom or a group (C1-C6)alkyl;
R1 represents a group OR4,
R4 represents a methyl group, in the form of base or of acid-addition salt.

3. The compound according to claim **1**, wherein
R represents a hydrogen or chlorine atom,
X represents one or more substituents chosen from a chlorine or fluorine atom and a methyl, trifluoromethyl, methoxy, trifluoromethoxy or cyano group,
Y represents a hydrogen, chlorine or fluorine atom or a methyl group,

R1 represents a group OR4,
R4 represents a methyl group, in the form of base or of acid-addition salt.

4. The compound according to claim **1**, wherein
R represents a hydrogen or chlorine atom,
X represents one or more substituents chosen from a halogen atom and a group (C1-C6)alkyl, halo(C1-C6)alkyl, (C1-C6)alkoxy, halo(C1-C6)alkoxy or cyano,
Y represents a hydrogen atom, a halogen atom or a group (C1-C6)alkyl;
R1 represents a group NR2R3,

R2 and R3 represent, independently of each other, a hydrogen atom or a methyl, ethyl, isopropyl or cyclopropyl group, or alternatively R2 and R3 form, with the nitrogen atom that bears them, a morpholinyl or pyrrolidinyl group optionally substituted with a hydroxyl group, in the form of base or of acid-addition salt.

5. The compound according to claim **1**, wherein

R represents a hydrogen or chlorine atom,

X represents one or more substituents chosen from a chlorine or fluorine atom and a methyl, trifluoromethyl, methoxy, trifluoromethoxy or cyano group,

Y represents a hydrogen or chlorine atom or a methyl group,

R1 represents a group NR2R3,

R2 and R3 represent, independently of each other, a hydrogen atom or a methyl, ethyl, isopropyl or cyclopropyl group, or alternatively R2 and R3 form, with the nitrogen atom that bears them, a morpholinyl or pyrrolidinyl group optionally substituted with a hydroxyl group, in the form of base or of acid-addition salt.

6. The compound according to claim **1** corresponding to the following formulae:

Methyl 3-[2-(4-chlorophenyl)pyrazolo[1,5-α]pyridin-5-yl]benzoate

3-[2-(4-Chlorophenyl)pyrazolo[1,5-α]pyridin-5-yl]benzamide

3-[2-(4-Chlorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N,N-dimethylbenzamide

3-[2-(4-Chlorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

Methyl 3-[2-(4-fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]benzoate

3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-isopropylbenzamide

3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N,N-dimethylbenzamide

{3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl] phenyl}morpholin-4-yl-methanone

3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-2,N-dimethylbenzamide

2-Chloro-5-[2-(4-fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

4-Chloro-3-[2-(4-fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-4,N-dimethylbenzamide

2-Fluoro-4-[2-(4-fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

N-Cyclopropyl-3-[2-(4-fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]benzamide

{3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl] phenyl}pyrrolidin-1-ylmethanone

3-[2-(2,6-Difluorophenyl)pyrazolo[1,5-α]pyridin-5-yl-methylbenzamide

3-[2-(2-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

N-Methyl-3-[2-(4-trifluoromethylphenyl)pyrazolo[1,5-α] pyridin-5-yl]benzamide

4-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

2-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

{3-[2-(4-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]phenyl}-(3-hydroxypyrrolidin-1-yl)methanone

3-[2-(2,4-Difluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

N-Methyl-3-[2-(4-trifluoromethoxyphenyl)pyrazolo[1,5-α]pyridin-5-yl]benzamide

3-[2-(3,4-Difluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(3,5-Difluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(3-Fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

N-Methyl-3-(2-p-tolylpyrazolo[1,5-α]pyridin-5-yl)benzamide

3-[2-(4-Methoxyphenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(3,4-Dimethylphenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(4-Cyanophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

3-[2-(2,3-Difluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide

N-Methyl-3-(2-o-tolylpyrazolo[1,5-α]pyridin-5-yl)benzamide

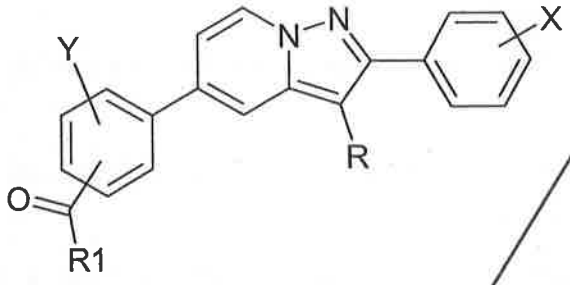
3-[3-Chloro-2-(4-fluorophenyl)pyrazolo[1,5-α]pyridin-5-yl]-N-methylbenzamide.

7. A pharmaceutical composition comprising the compound of claim **1**, or an addition salt of said compound with a pharmaceutically acceptable acid.

8. The pharmaceutical composition of claim **7** further comprising at least one pharmaceutically acceptable excipient.

Claims

1. Compounds of formula (I):



(I)

in which:

R represents a hydrogen or halogen atom or a group (C1-C6)alkyl;

X represents one or more substituents chosen from a hydrogen or halogen atom and a group (C1-C6)alkyl, halo(C1-C6)alkyl, (C1-C6)alkoxy, halo(C1-C6)alkoxy, cyano, hydroxyl or hydroxy(C1-C6)alkyl;

Y represents a hydrogen or halogen atom or a group (C1-C6)alkyl;

R1 represents a group NR2R3 or OR4;

R2 and R3 represent, independently of each other, a hydrogen atom or a group (C1-C6)alkyl, hydroxy(C1-C6)alkyl or oxo(C1-C6)alkyl, or alternatively R2 and R3 form, with the nitrogen atom that bears them, a heterocycle optionally substituted with a group (C1-C6)alkyl, hydroxyl or oxo,

R4 represents a group (C1-C6)alkyl, hydroxy(C1-C6)alkyl or oxo(C1-C6)alkyl, in the form of base or of acid-addition salt.

2. Compounds of formula (I) according to Claim 1, characterized in that

R represents a hydrogen or chlorine atom,

X represents one or more substituents chosen from a halogen atom and a group (C1-C6)alkyl, halo(C1-C6)alkyl, (C1-C6)alkoxy, halo(C1-C6)alkoxy or cyano,

Y represents a hydrogen atom, a halogen atom or a group (C1-C6)alkyl;

R1 represents a group OR4,

R4 represents a methyl group, in the form of base or of acid-addition salt.

3. Compounds of formula (I) according to Claim 1, characterized in that

R represents a hydrogen or chlorine atom,

X represents one or more substituents chosen from a chlorine or fluorine atom and a methyl, trifluoromethyl, methoxy, trifluoromethoxy or cyano group,

Y represents a hydrogen, chlorine or fluorine atom or a methyl group,

R1 represents a group OR4,

R4 represents a methyl group, in the form of base or of acid-addition salt.

4. Compounds of formula (I) according to Claim 1, characterized in that

R represents a hydrogen or chlorine atom,

X represents one or more substituents chosen from a halogen atom and a group (C1-C6)alkyl, halo(C1-C6)alkyl, (C1-C6)alkoxy, halo(C1-C6)alkoxy or cyano,

Y represents a hydrogen atom, a halogen atom or a group (C1-C6)alkyl;

R1 represents a group NR2R3,

R2 and R3 represent, independently of each other, a hydrogen atom or a methyl, ethyl, isopropyl or cyclopropyl group, or alternatively R2 and R3 form, with the nitrogen atom that bears them, a morpholinyl or pyrrolidinyl group optionally substituted with a hydroxyl group, in the form of base or of acid-addition salt.

5. Compounds of formula (I) according to Claim 1, characterized in that

R represents a hydrogen or chlorine atom,

X represents one or more substituents chosen from a chlorine or fluorine atom and a methyl, trifluoromethyl, methoxy, trifluoromethoxy or cyano group,

Y represents a hydrogen or chlorine atom or a methyl group,

R1 represents a group NR2R3,

R2 and R3 represent, independently of each other, a hydrogen atom or a methyl, ethyl, isopropyl or cyclopropyl group, or alternatively R2 and R3 form, with the nitrogen atom that bears them, a morpholinyl or pyrrolidinyl group optionally substituted with a hydroxyl group, in the form of base or of acid-addition salt.

6. Compounds:

- Methyl 3-[2-(4-chlorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]benzoate

- 3-[2-(4-Chlorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]benzamide
- 3-[2-(4-Chlorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N,N*-dimethylbenzamide

- 3-[2-(4-Chlorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- Methyl 3-[2-(4-fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]benzoate

- 3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-isopropylbenzamide
- 3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N,N*-dimethylbenzamide

- {3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]phenyl}morpholin-4-yl-methanone
- 3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-2,*N*-dimethylbenzamide
- 2-Chloro-5-[2-(4-fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 4-Chloro-3-[2-(4-fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-4,*N*-dimethylbenzamide
- 2-Fluoro-4-[2-(4-fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- *N*-Cyclopropyl-3-[2-(4-fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]benzamide
- {3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]phenyl}pyrrolidin-1-ylmethanone
- 3-[2-(2,6-Difluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl-methylbenzamide
- 3-[2-(2-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- *N*-Methyl-3-[2-(4-trifluoromethylphenyl)pyrazolo[1,5-*a*]pyridin-5-yl]benzamide
- 4-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 2-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- {3-[2-(4-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]phenyl}-(3-hydroxypyrrolidin-1-yl)methanone
- 3-[2-(2,4-Difluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-N-methylbenzamide
- *N*-Methyl-3-[2-(4-trifluoromethoxyphenyl)pyrazolo[1,5-*a*]pyridin-5-yl]benzamide
- 3-[2-(3,4-Difluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(3,5-Difluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(3-Fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- *N*-Methyl-3-(2-p-tolylpyrazolo[1,5-*a*]pyridin-5-yl)benzamide
- 3-[2-(4-Methoxyphenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(3,4-Dimethylphenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(4-Cyanophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide
- 3-[2-(2,3-Difluorophenyl)pyrazolo[1,5-a]pyridin-5-yl]-*N*-methylbenzamide
- *N*-Methyl-3-(2-*o*-tolylpyrazolo[1,5-*a*]pyridin-5-yl)benzamide

• 3-[3-Chloro-2-(4-fluorophenyl)pyrazolo[1,5-*a*]pyridin-5-yl]-*N*-methylbenzamide

7. Medicament, characterized in that it comprises a compound of formula (I) according to any one of Claims 1 to 6, or an addition salt of this compound with a pharmaceutically acceptable acid.

8. Pharmaceutical composition, characterized in that it comprises a compound of formula (I) according to any one of Claims 1 to 6, or a pharmaceutically acceptable salt of this compound, and also at least one pharmaceutically acceptable excipient.

9. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing neurodegenerative diseases.

10. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing cerebral trauma and epilepsy.

11. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing psychiatric diseases.

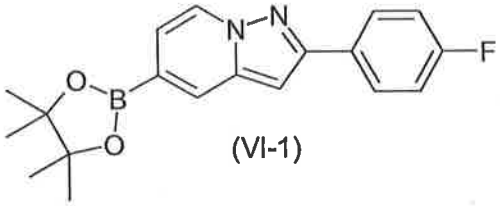
12. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing inflammatory diseases.

13. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing osteoporosis and cancers.

14. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing Parkinson's disease, Alzheimer's disease, tauopathies and multiple sclerosis.

15. Use of a compound of formula (I) according to any one of Claims 1 to 6, for the preparation of a medicament for treating and preventing schizophrenia, depression, substance dependency and attention-deficit hyperactivity disorder.

16. Intermediate compound of formula (VI-1)



(VI-1)

17. Use of the compound according to Claim 16 for the synthesis of products of general formula (I) according to Claim 1.