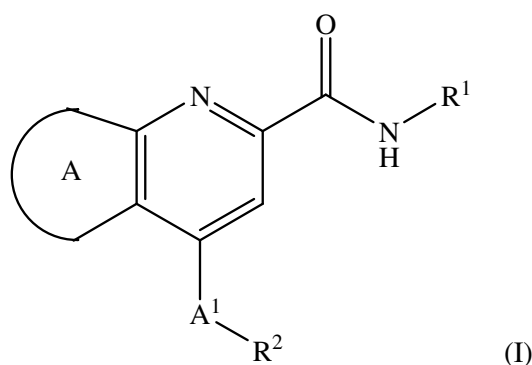


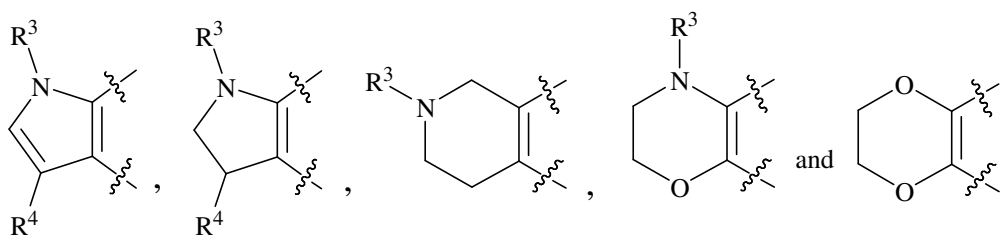
We Claim:

1. A compound of formula (I),



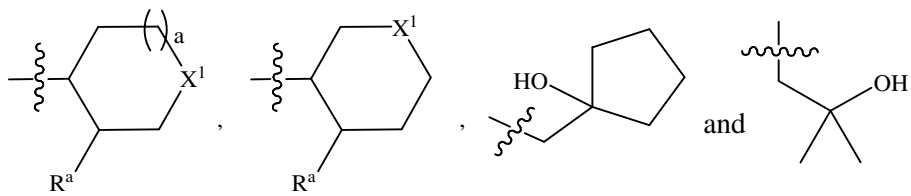
5 wherein:

ring A is selected from the group consisting of:



A¹ is CH₂, CHF or CF₂;

R¹ is selected from the group consisting of:



Rᵃ is OH;

X¹ is independently selected from the group consisting of CH₂ and O;

a is 0 or 1;

R² is -(C₆-₁₀)-aryl or -(C₅-₁₀)-heteroaryl; each of which is optionally substituted with one or more substituents selected from the group consisting of halogen, -O-(C₁-₄)-alkyl, -S-(C₁-₄)-alkyl, -N(CH₃)₂, -(C₁-₄)-alkyl, -(C₃-₆)-cycloalkyl, halo(C₁-₄)-alkyl, -OH, -NH₂, -CN and R²ᵃ;

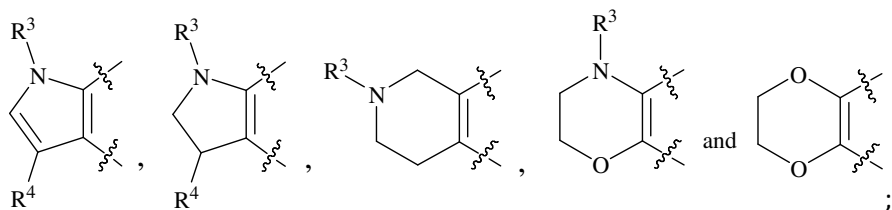
R²ᵃ is -(C₆-₁₀)-aryl or (C₅-₁₀)-heteroaryl; each of which is optionally substituted with one or more substituents selected from the group consisting of halogen, -OH, -NH₂, -CN, -O-(C₁-₂)-alkyl, -S-(C₁-₂)-alkyl, -(C₁-₂)-alkyl and (C₃-₆)-cycloalkyl;

R³ is -(C₁-₄)-alkyl, halo(C₁-₄)-alkyl or hydrogen; and

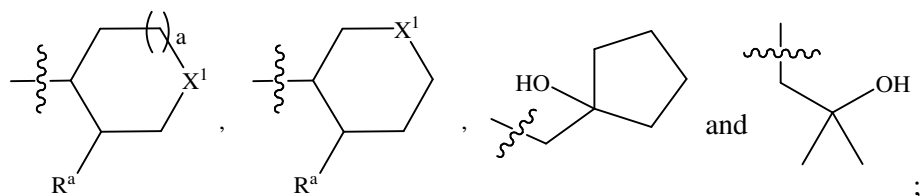
R⁴ is hydrogen, -(C₁-₄)-alkyl or halo(C₁-₄)-alkyl;

or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof.

ring A is selected from the group consisting of:

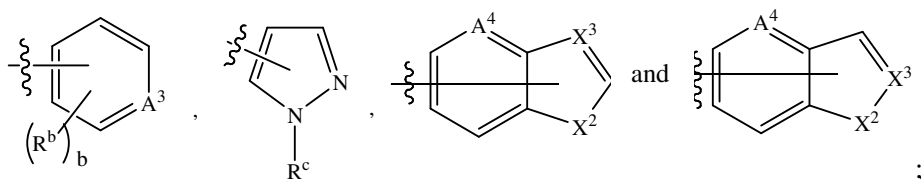


R^1 is selected from the group consisting of:



X¹ is independently selected from the group consisting of CH₂ and O;

R^2 is selected from the group consisting of:



A⁴ is CH or CF;

“” represents point of attachment;

R⁴ is hydrogen, -(C₁₋₄)-alkyl or halo(C₁₋₄)-alkyl;

or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof.

3. The compound as claimed in claim 1 or 2, wherein the compound is selected from the group consisting of:

- 5 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-methoxypyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
10 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-thiazol-4-ylbenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
15 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-pyrazol-1-ylbenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-[2-fluoro-4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
20 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-chloropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
25 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2,5-difluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(benzothiazol-6-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2'-fluoro-[2,5']bipyridinyl-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
30 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(pyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
N-[(1S,2S)-2-Hydroxycyclohexyl]-4-[2-(1-methyl-1H-pyrazol-4-yl)pyridin-5-ylmethyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
35 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;

- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-methylpyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 5 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-methylsulfanylpiperidin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-[4-(2-methylpiperidin-3-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 10 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(1-methyl-1H-benzimidazol-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-chloropyridin-5-ylmethyl)-1-(2-fluoroethyl)-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 15 N-(2-Hydroxy-2-methylpropyl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-(1-Hydroxycyclopentylmethyl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 20 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(piperidin-3-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-cyclopropylpiperidin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 25 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-4-ylmethyl)-1-ethyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-4-ylmethyl)-1-isopropyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2,3-difluorophenylmethyl)-1,3-dimethyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 30 *Racemic trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 35 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);

- Racemic cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 5 *cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 10 *trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
Racemic cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3,4-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 15 *cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3,4-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3,4-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 20 *trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- 25 *Racemic cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2,3-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- 30 *Racemic cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 35 *cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*

- Racemic cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
- cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
- 5 *cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
- Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
- trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
- 10 *trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(2-chloropyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
- Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3,4-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
- 15 *trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3,4-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
- trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3,4-difluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
- Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
- 20 *trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
- trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
- 25 *Racemic cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
- cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
- cis-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*
- 30 *Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;*
- trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);*
- 35 *trans-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);*

- Racemic cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 5 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemic trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 10 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemic cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 15 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemic trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 20 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- 25 *Racemic cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(3-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- 30 *Racemic cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 35 *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);

- Racemictrans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 5 *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemiccis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-
- 10 carboxamide (Isomer-I);
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemictrans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 15 *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemiccis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-
- 20 pyrrolo[2,3-b]pyridine-6-carboxamide;
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- 25 *Racemictrans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-
- 30 b]pyridine-6-carboxamide (Isomer-II);
- (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-1H-pyrrolo[2,3-
- b]pyridine-6-carboxamide;
- 35 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;

- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-chloropyridin-5-ylmethyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-4-ylmethyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 5 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-5-ylmethyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-1-methyl-(6-methylpyridin-3-ylmethyl)-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-fluorobenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 10 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-methoxybenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2'-fluoro-[2,5']bipyridinyl-5-ylmethyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 15 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2,3-difluorobenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-methyl-4-pyridinylmethyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-I);
- 20 *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide (Isomer-II);
- Racemicis* -N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 25 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-methoxybenzyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-(2-methylpyridin-5-ylmethyl)-1-methyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-6-carboxamide;
- 30 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- 35 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-chlorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;

- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-chlorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(3-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 5 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(3-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-[4-(1-methyl-1H-pyrazol-4-yl)-benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-[4-(1-methyl-1H-pyrazol-4-yl)-benzyl]-5,6,7,8-
- 10 tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-5-ylmethyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-5-ylmethyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- 15 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-methoxybenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-methoxybenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-4-ylmethyl)-5,6,7,8-
- 20 tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(2-fluoropyridin-4-ylmethyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 25 N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-fluorobenzyl)-7-methyl-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-4-(4-fluorobenzyl)-7-ethyl-5,6,7,8-tetrahydro[1,7]naphthyridine-2-
- 30 carboxamide;
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 35 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);

- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II)
- Racemic* *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 5 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- 10 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- Racemic* *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- 15 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-[4-(thiazol-4-yl)benzyl]-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- 20 *Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- 25 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- Racemic* *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- 30 *Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- 35 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);

- Racemic* *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- 5 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- Racemic* *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 10 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 15 *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- Racemic* *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- 20 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- 25 *Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- 30 *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- 35 *Racemic* *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;

- Racemic* *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- 5 *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- Racemic* *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- 10 *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- Racemic* *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- 15 *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-fluorobenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- Racemic* *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- 20 *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- 25 *Racemic* *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride;
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-I);
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide Hydrochloride (Isomer-II);
- 30 *Racemic* *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- 35 *cis*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);

- Racemic* *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide;
- trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-I);
- 5 *trans*-N-(4-Hydroxytetrahydropyran-3-yl)-4-(4-pyrazol-1-ylbenzyl)-5,6,7,8-tetrahydro[1,7]naphthyridine-2-carboxamide (Isomer-II);
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(4-methoxybenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-
- 10 carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(2-chloropyridin-5-ylmethyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-[4-(1-methyl-1H-pyrazol-4-yl)-benzyl]-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- 15 N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(2,3-difluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(1-methyl-1H-pyrazol-4-ylmethyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-[4-(pyrazol-1-yl)benzyl]-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- 20 N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(2-methylpyridin-5-ylmethyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(2-fluoropyridin-5-ylmethyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- 25 N-[(1S,2S)-2-Hydroxycyclohexyl]-8-(2-fluoropyridin-4-ylmethyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide (Isomer-II);
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-
- 30 6-carboxamide (Isomer-II);
- Racemic* *cis*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
- cis*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide (Isomer-I);
- 35 *Racemic trans*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;

- trans*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide (Isomer-I);
 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-methoxybenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
 5 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(2-chloropyridin-5-ylmethyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(2-methylpyridin-5-ylmethyl)-2,3-dihydro-
 10 [1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
Racemic-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-fluorobenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
Racemic-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-methoxybenzyl)-2,3-dihydro-[1,4]dioxino[2,3-*b*]pyridine-6-carboxamide;
 15 N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide;
 N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-(3-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide;
 N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-[4-(1-methyl-1H-pyrazol-4-yl)benzyl]-4-methyl-2H-pyrido[3,2-
 20 *b*][1,4]oxazine-6-carboxamide;
 N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-(2-fluoropyridin-4-ylmethyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide;
trans-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide (Isomer-II);
 25 *Racemic cis*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide;
cis-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide (Isomer-I);
Racemic trans-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-
 30 *b*][1,4]oxazine-6-carboxamide;
trans-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide (Isomer-I);
trans-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide (Isomer-II);
 35 *trans*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-*b*][1,4]oxazine-6-carboxamide (Isomer-II);

- Racemic trans*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
trans-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide (Isomer-I);
- 5 *Racemic cis*-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
cis-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide (Isomer-I);
cis-N-(3-Hydroxytetrahydropyran-4-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide (Isomer-II);
- 10 N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-(2-chloropyridin-5-ylmethyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
- 15 N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-(2-methylpyridin-5-ylmethyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-8-[4-pyrazol-1-ylbenzyl]-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
N-[(1*S*,2*S*)-2-Hydroxycyclohexyl]-4-methyl-8-(1-methyl-1H-pyrazol-4-ylmethyl)-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
- 20 *Racemic cis*-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
Racemic cis-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
- 25 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-fluorobenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
(3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-methoxybenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
(3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-8-(4-pyrazol-1-ylbenzyl)-4-methyl-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide; and
- 30 (3*S*,4*S*)-N-(4-Hydroxytetrahydropyran-3-yl)-4-methyl-8-(1-methyl-1H-pyrazol-4-ylmethyl)-2H-pyrido[3,2-b][1,4]oxazine-6-carboxamide;
or a pharmaceutically acceptable salt thereof.

4. A pharmaceutical composition comprising the compound or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof as claimed in any one of claims 1 to 3 and pharmaceutically acceptable excipients.
- 5 5. The pharmaceutical composition as claimed in claim 4, for use in the treatment of clinical conditions mediated through muscarinic M1 receptor, selected from the group consisting of cognitive disorders, pain and sleep disorder.
- 10 6. A combination comprising the compound or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof as claimed in any one of claims 1 to 3, with one or more therapeutic agents selected from the group consisting of acetylcholinesterase inhibitors and NMDA receptor antagonist.
- 15 7. The combination as claimed in claim 6, wherein the therapeutic agents are selected from the group consisting of galantamine, rivastigmine, donepezil, tacrine and memantine.
- 20 8. The compound or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof as claimed in any one of claims 1 to 3, for use in the treatment of disease or disorder selected from the group consisting of cognitive disorders, pain and sleep disorder.
- 25 9. Use of the compound or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof as claimed in any one of claims 1 to 3, in the manufacture of medicament for the treatment of a disorder related to muscarinic M1 receptor selected from the group consisting of cognitive disorders, pain and sleep disorder.
- 30 10. The use of claim 9, wherein the cognitive disorder is selected from the group consisting of dementia in Alzheimer's disease, dementia in Parkinson's disease, dementia in Huntington's disease, dementia associated with Down syndrome, dementia associated with Tourette's syndrome, dementia associated with post menopause, frontotemporal dementia, Lewy body dementia, Vascular dementia, dementia in HIV, dementia in Creutzfeldt-Jakob disease, substance-induced persisting dementia, dementia in Pick's disease, dementia in schizophrenia, senile dementia and dementia in general medical conditions.
- 35 11. Use of a pharmaceutical composition comprising the compound or an isotopic form, a stereoisomer, a tautomer or a pharmaceutically acceptable salt thereof as claimed in any one of claims

1 to 3 in the manufacture of a medicament for the treatment of a disorder related to muscarinic M1 receptor selected from the group consisting of cognitive disorders, pain and sleep disorder.

12. The use of claim 11, wherein the cognitive disorder is selected from the group consisting of dementia in Alzheimer's disease, dementia in Parkinson's disease, dementia in Huntington's disease, dementia associated with Down syndrome, dementia associated with Tourette's syndrome, dementia associated with post menopause, frontotemporal dementia, Lewy body dementia, Vascular dementia, dementia in HIV, dementia in Creutzfeldt-Jakob disease, substance-induced persisting dementia, dementia in Pick's disease, dementia in schizophrenia, senile dementia and dementia in general medical conditions.