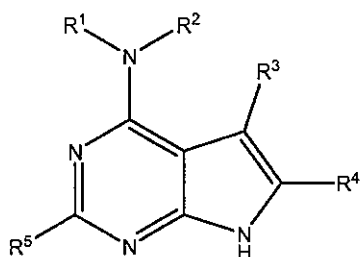


CLAIMS

We claim:

1. A compound of Formula I



- 5 or a pharmaceutically acceptable salt thereof wherein

R^1 and R^2 are each independently hydrogen, C_1 - C_6 alkyl, C_3 - C_7 cycloalkyl, a four to seven membered heterocycloalkyl which contains one to three heteroatoms selected from N, O and S; or a five to six membered heteroaryl which contains one to four heteroatoms selected from N, O and S, wherein the C_1 - C_6 alkyl, C_3 - C_7 cycloalkyl, four to seven membered heterocycloalkyl, or five to six membered heteroaryl are optionally substituted with one to three R^6 ;

or R^1 and R^2 taken together with the nitrogen to which they are attached are a four to seven membered heterocycloalkyl which optionally contains one to two additional heteroatoms selected from N, O and S, and optionally contains one double bond; a six to eleven membered heterobicycloalkyl which optionally contains one to two additional heteroatoms selected from N, O and S; or a six to twelve membered heterospirocycloalkyl which optionally contains one to two additional heteroatoms selected from N, O and S; and wherein the four to seven membered heterocycloalkyl, six to eleven membered heterobicycloalkyl or six to twelve membered heterospirocycloalkyl is optionally substituted with one to three R^7 ;

R^3 is phenyl or a five to ten membered heteroaryl which contains one to four heteroatoms selected from N, O and S; wherein the phenyl and five to ten membered heteroaryl are optionally substituted with one to three R^8 and wherein the phenyl is optionally fused with a C_5 - C_6 cycloalkyl or a five to six membered heterocycloalkyl which contains one to three heteroatoms selected from N, O and S and which is optionally substituted with oxo;

R^4 and R^5 are each independently hydrogen or C_1 - C_3 alkyl;

R^6 at each occurrence is independently selected from C_1 - C_3 alkyl, C_1 - C_3 alkoxy, hydroxy, halo, $-NR^aR^b$, $-C(O)NR^aR^b$, or a four to seven membered heterocycloalkyl which contains one to three heteroatoms selected from N, O and S;

R^7 at each occurrence is independently selected from halo, hydroxy, cyano, $-NR^aR^b$, $-C(O)NR^aR^b$, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, phenyl, a five to six membered heteroaryl containing one to four heteroatoms selected from N, O and S, or two R^7 when attached to the same carbon and taken together can be oxo; wherein the C_1 - C_6 alkyl, phenyl and five to six membered heteroaryl are optionally substituted with one to three R^8 ;

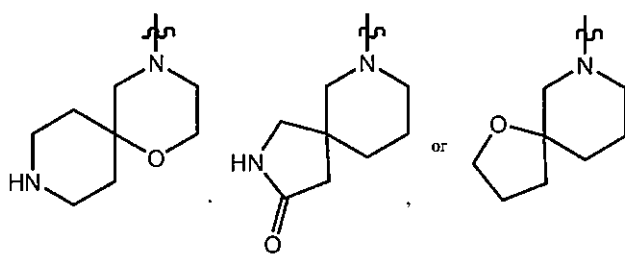
R^8 at each occurrence is independently hydroxy, halo, cyano, C_1 - C_3 alkoxy, NR^aR^b , C_1 - C_3 alkyl optionally substituted with one to three halo, C_3 - C_7 cycloalkyl, phenoxy optionally substituted with cyano, or a five to six membered heteroaryloxy containing one to four heteroatoms selected from N, O and S and which is optionally substituted with one or two halo or C_1 - C_3 alkyl;

R^9 at each occurrence is independently cyano, halo, hydroxy, C_1 - C_3 alkyl-S-, $-CO_2H$, $-C(O)NH_2$, $-S(O)_2NH_2$, C_1 - C_3 alkyl optionally substituted with one to three halo or hydroxy, or C_1 - C_3 alkoxy optionally substituted with one to three halo or hydroxy; and

R^a and R^b at each occurrence are each independently hydrogen, C_1 - C_6 alkyl, C_3 - C_7 cycloalkyl or $-C(O)C_1$ - C_6 alkyl.

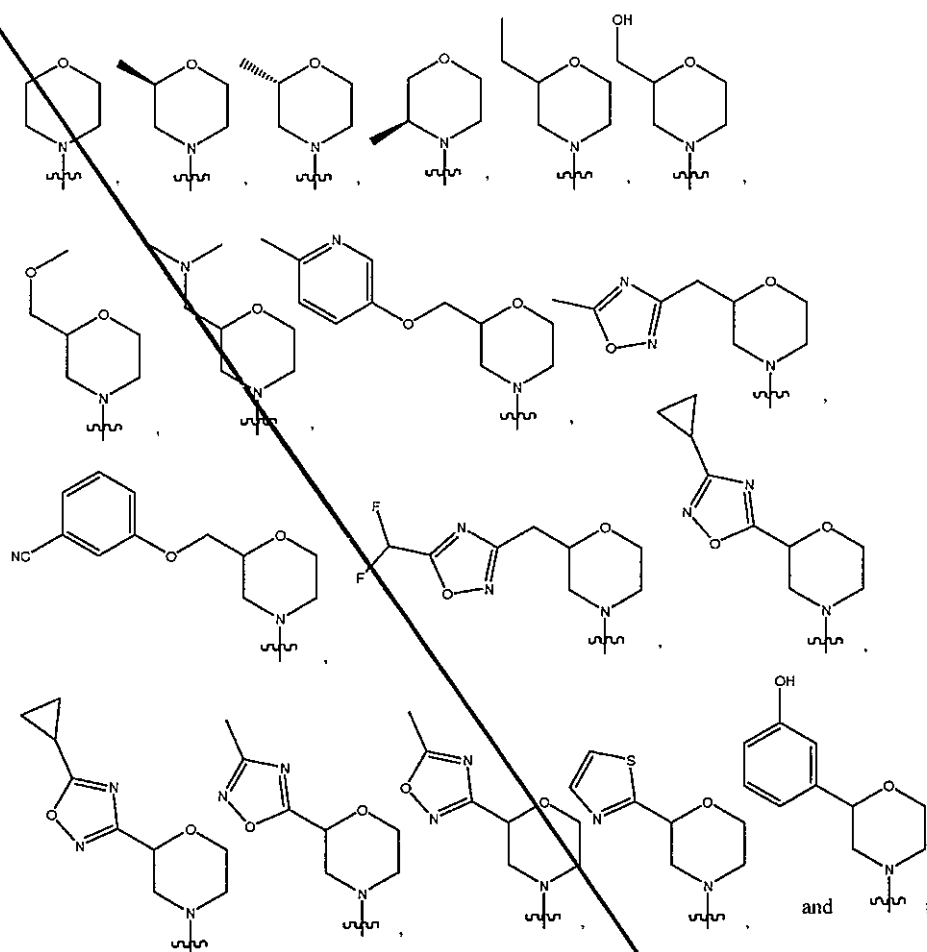
2. The compound of claim 1 wherein R^4 and R^5 are each hydrogen; or a pharmaceutically acceptable salt thereof.

3. The compound of claim 2 wherein R^1 and R^2 taken together with the nitrogen to which they are attached are azetidin-1-yl, pyrrolidin-1-yl, piperidin-1-yl, morpholin-4-yl, thiomorpholin-4-yl, 6-oxa-3-aza-bicyclo[3.1.1]heptan-3-yl,



each of which is optionally substituted with one to three R^7 ; or a pharmaceutically acceptable salt thereof.

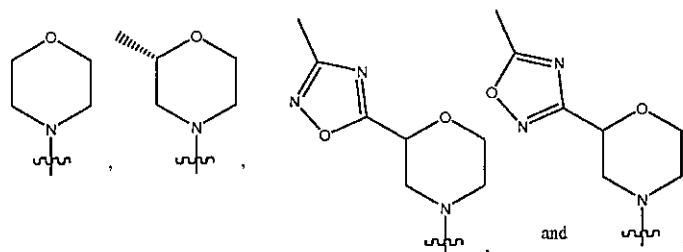
4. The compound of claim 3 wherein R¹ and R² taken together with the nitrogen to which they are attached are piperidin-1-yl or morpholin-4-yl; each optionally substituted with a hydroxy, methyl or 5-methyl-1,2,4-oxadiazol-3-yl; or a pharmaceutically acceptable salt thereof.
5. The compound of claim 4 wherein R¹ and R² taken together with the nitrogen to which they are attached are morpholin-4-yl optionally substituted with a methyl or 5-methyl-1,2,4-oxadiazol-3-yl; or a pharmaceutically acceptable salt thereof.
6. The compound of claim 2 wherein R¹ and R² taken together with the nitrogen to which they are attached are methylamino, dimethylamino, diethylamino, N-methylcyclopropylamino or pyrazolylamino; each of which is optionally substituted with one to three R⁶; or a pharmaceutically acceptable salt thereof.
7. The compound of claim 3 wherein R³ is phenyl substituted with one or two R⁹; and each R⁹ is independently selected from cyano, fluoro, chloro or methoxy; or a pharmaceutically acceptable salt thereof.
8. The compound of claim 3 wherein R³ is pyrazolyl, isothiazolyl, or pyridinyl, each optionally substituted with one R⁹; and R⁹ is cyano or methyl; or a pharmaceutically acceptable salt thereof.
9. The compound of claim 1 wherein R¹ and R² taken together with the nitrogen to which they are attached is selected from the group consisting of:



R^3 is 1-methylpyrazol-4-yl, 1*H*-pyrazol-4-yl, 2-cyanopyridin-6-yl, 3-methyl-1,2-thiazol-5-yl, 5-cyano-1-methylpyrrol-3-yl, 3-methylpyridin-5-yl, 3-cyanophenyl, 2-fluorophenyl, 3-fluorophenyl, 2,3-difluorophenyl, 2-fluoro-5-chlorophenyl, 2-fluoro-3-cyanophenyl or 2-methoxy-5-fluorophenyl; and

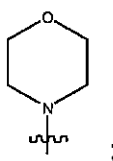
R^4 and R^5 are each independently hydrogen or methyl;
or a pharmaceutically acceptable salt thereof.

10. The compound of claim 9 wherein R^1 and R^2 taken together with the nitrogen to which they are attached are a group selected from



and R^4 and R^5 are each hydrogen; or a pharmaceutically acceptable salt thereof.

11. The compound of claim 10 wherein R^1 and R^2 taken together with the nitrogen to
5 which they are attached is



or a pharmaceutically acceptable salt thereof.

12. The compound of claim 11 wherein
10 R^3 is 3-cyanophenyl, 1-methylpyrazol-4-yl or 5-cyano-1-methylpyrrol-3-yl;
or a pharmaceutically acceptable salt thereof.

13. The compound of claim 1 wherein
 R^1 and R^2 taken together with the nitrogen to which they are attached are
15 piperidinyl or 3-hydroxypiperidinyl;

R^3 is 1-methylpyrazol-4-yl, 1*H*-pyrazol-4-yl, 2-cyanopyridin-6-yl, 3-methyl-1,2-thiazol-5-yl, 3-methylpyridin-5-yl, 3-cyanophenyl, 2-fluorophenyl, 3-fluorophenyl, 2,3-difluorophenyl, 2-fluoro-5-chlorophenyl, 2-fluoro-3-cyanophenyl or 2-methoxy-5-fluorophenyl; and

- 20 R^4 and R^5 are each independently hydrogen or methyl,
or a pharmaceutically acceptable salt thereof.

14. A compound according to claim 1 selected from the group consisting of:
5-(1-methyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
25 3-[6-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carbonitrile;

- 3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 (3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}phenyl)methanol;
 5 4-(morpholin-4-yl)-5-(1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-[2-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 {3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]phenyl}methanol;
 3-[4-(3,3-dimethylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(piperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 10 1-(5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)piperidine-3-carboxamide;
 3-{4-[(3*S*)-3-hydroxypiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 4-{(3*S*)-3-methylpiperidin-1-yl}-5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 4-{(3*S*)-3-methylpiperidin-1-yl}-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 15 5-phenyl-4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 [1-(5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)piperidin-4-yl]methanol;
 1-{5-[3-(hydroxymethyl)phenyl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl}piperidine-3-carbonitrile;
 1-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidine-3-carbonitrile;
 4-(3,5-*cis*-dimethylpiperidin-1-yl)-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-
 20 *d*]pyrimidine;
 4-methoxy-3-[4-(3-methylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-4-methoxybenzonitrile;
 5-(5-chloro-2-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 3-{4-[4-(1*H*-imidazol-2-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 25 3-{4-[3-(methoxymethyl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-[4-(9-methyl-1-oxa-4,9-diazaspiro[5.5]undec-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-
 yl]benzonitrile;
 3-[4-(3-methoxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[2-(methoxymethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 30 *N*³-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]-*N,N*-dimethyl-beta-alaninamide;
 3-[4-(4,4-difluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(4-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[4-(1*H*-pyrazol-3-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

- 3-{4-[(3*S*)-3-fluoropyrrolidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-{4-[2-(1*H*-pyrazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-{4-[3-(1*H*-pyrazol-3-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-{4-[3-(1*H*-imidazol-2-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
5 3-{4-[(1-methylpiperidin-3-yl)amino]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-[4-(3-oxo-2,7-diazaspiro[4.5]dec-7-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-((3*R*)-3-methylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-(4-{[2-(morpholin-4-yl)ethyl]amino}-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl)benzonitrile;
3-[4-(2-oxa-7-azaspiro[4.5]dec-7-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
10 *N*-{1-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-4-yl}acetamide;
5-(1*H*-indazol-5-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzenesulfonamide;
5-(2-fluorophenyl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(1*H*-indazol-4-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
15 5-(6-fluoro-5-methylpyridin-3-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}-2,3-dihydro-1*H*-isoindol-1-one;
4-[(3*S*)-3-methylpiperidin-1-yl]-5-(pyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
20 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(5-methylpyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
4-[(3*S*)-3-methylpiperidin-1-yl]-5-(7*H*-pyrrolo[2,3-*b*]pyridin-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
6-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}-2,3-dihydro-1*H*-isoindol-1-one;
25 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(1*H*-pyrrolo[3,2-*b*]pyridin-6-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
4-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}phenol;
4-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzamide;
3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}phenol;
30 5-(2-chloro-5-methylpyridin-3-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzamide;
3-[4-(3-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(4-methylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

- 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzoic acid;
3-[4-(methylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(3,5-*cis*-dimethylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-4-methoxybenzonitrile;
5 4-methoxy-3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
2-fluoro-3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
N,N-dimethyl-5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-2-fluorobenzonitrile;
3-[4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
10 3-[4-((3*R*)-3-methylpyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-4-fluorobenzonitrile;
3-[4-(diethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-{4-[(2*R*)-2-(methoxymethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
15 3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-5-fluorobenzonitrile;
3-{4-[2-(1*H*-pyrazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-[4-((3*S*)-3-methylpyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
2-fluoro-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-{4-[(2*R*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
20 4-fluoro-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
4-(4-fluoropiperidin-1-yl)-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
2-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
5-(3-chlorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(2-fluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
25 5-(3-fluoro-5-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(2,5-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(2,3-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(5-chloro-2-fluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
{2-fluoro-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]phenyl}methanol;
30 5-(2,4-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(3-fluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(3,5-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
4-(morpholin-4-yl)-5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidine;

- 5-(5-fluoro-2-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5-(2-chlorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5-(5-fluoro-2-methylphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5-(3-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5 {2-fluoro-5-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl}methanol;
5-(4-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
{3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl}methanol;
5-(2-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5-[3-(methylsulfanyl)phenyl]-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
10 4-(morpholin-4-yl)-5-(pyridin-3-yl)-7H-pyrrolo[2,3-d]pyrimidine;
4-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]isoquinoline;
5-(5-bromopyridin-3-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5-(2-chloro-5-methylphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
5-(3-methylphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
15 5-(1-methyl-1H-pyrazol-3-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
3-[4-(4-hydroxypiperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
3-{4-[2-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
3-methyl-5-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
20 3-{4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
3-[4-(6-oxa-3-azabicyclo[3.1.1]hept-3-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
3-chloro-5-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
4-methoxy-3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
25 5-(5-chloro-2-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
6-methyl-5-(1-methyl-1H-pyrazol-4-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
3-methoxy-5-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
5-(1-methyl-1H-pyrazol-4-yl)-4-(thiomorpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
1-[5-(1-methyl-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]piperidin-3-ol;
30 4-[(2S)-2-methylmorpholin-4-yl]-5-(1-methyl-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
4-[(2R)-2-methylmorpholin-4-yl]-5-(1-methyl-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
4-(3-fluoropiperidin-1-yl)-5-(1-methyl-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;

- {4-[5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]morpholin-2-yl}methanol;
5-(1-methyl-1*H*-pyrazol-4-yl)-4-(2-[(6-methylpyridin-3-yl)oxy]methyl)morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
- 5 *N,N*-dimethyl-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
N-cyclopropyl-*N*-methyl-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
- 3-[4-(3,3-difluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(3-aminopiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 10 3-[4-(2-[(5-(difluoromethyl)-1,2,4-oxadiazol-3-yl)methyl]morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[2-(1,3-thiazol-2-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(4-oxopiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[4-fluoro-4-(hydroxymethyl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 15 3-[4-[2-(3-hydroxyphenyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[2-(5-cyclopropyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 3-[4-(3,3-difluoropyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 20 3-[4-[2-[(3-cyanophenoxy)methyl]morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 3-[4-(3-hydroxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
1-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidine-3-carboxamide;
3-[4-(2-ethylmorpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 25 3-[4-[2-(pyrimidin-4-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[2-(3-cyclopropyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[2-[(dimethylamino)methyl]morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 30 3-[4-(1*H*-pyrazol-4-ylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[2-[(5-methyl-1,2,4-oxadiazol-3-yl)methyl]morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-[3-(5-methyl-1,3,4-oxadiazol-2-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
- 35 3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-5-methoxybenzonitrile;

- 5-(1-ethyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(5-methylpyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(5-chloropyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(6-methoxypyrazin-2-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5 5-(1,3-dimethyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
3-{4-[(3*S*)-3-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
2-fluoro-3-{2-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-{4-[(3*R*)-3-hydroxypiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
1-[5-(3-fluorophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-3-ol;
10 5-(5-fluoro-2-methoxyphenyl)-4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-
pyrrolo[2,3-*d*]pyrimidine;
2-fluoro-3-[4-(4-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
4-(4-fluoropiperidin-1-yl)-5-(2-methoxyphenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(3-fluoro-5-methoxyphenyl)-4-(4-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
15 3-[4-(4,4-difluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-2-fluorobenzonitrile;
1-[5-(5-methylpyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-3-ol;
5-(5-fluoro-2-methoxyphenyl)-4-(4-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
1-[5-(3-fluoro-5-methoxyphenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-3-ol;
1-[5-(2-methoxyphenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-3-ol;
20 2-fluoro-3-{4-[2-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-
d]pyrimidin-5-yl}benzonitrile;
2-fluoro-3-{4-[2-(methoxymethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-
yl}benzonitrile;
4-(azetidin-1-yl)-5-(5-fluoro-2-methoxyphenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
25 4-[(2*S*)-2-methylmorpholin-4-yl]-5-(5-methylpyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(3-fluorophenyl)-4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(3-fluorophenyl)-4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-
d]pyrimidine;
5-(2-methoxyphenyl)-4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
30 5-(2-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
2-fluoro-3-{4-[(3*S*)-3-fluoropyrrolidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
4-[(3*S*)-3-fluoropyrrolidin-1-yl]-5-(2-methoxyphenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(2-methoxyphenyl)-4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;

- 5-(3-fluoro-5-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 2-fluoro-3-[4-(3-hydroxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(5-fluoro-2-methoxyphenyl)-4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5 2-fluoro-3-[4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(5-fluoro-2-methoxyphenyl)-4-(3-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3-fluorophenyl)-4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(5-fluoro-2-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 2-fluoro-3-[4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 10 5-(5-fluoro-2-methoxyphenyl)-4-[(3*S*)-3-fluoropyrrolidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 2-fluoro-3-[4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(4-methyl-1,3-thiazol-2-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(4-methylpyridin-2-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 15 5-(2-fluoro-6-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 5-(2-fluoro-6-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2,6-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3-methyl-1,2-thiazol-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2-chloro-3-fluoro-6-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 20 5-(4-methoxypyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-[4-[2-[(5*R*)-5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-[2-[(5*S*)-5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 25 3-[4-[(2*S*)-2-(methoxymethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

or a pharmaceutically acceptable salt thereof.

15. A compound according to claim 1 selected from the group consisting of:
 30 5-(1-methyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-[6-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carbonitrile;
 3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 35 4-(morpholin-4-yl)-5-(1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;

- 3-[4-(piperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 2-fluoro-3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 5-(2-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2,3-difluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5 5-(5-chloro-2-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(5-fluoro-2-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 1-[5-(1-methyl-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]piperidin-3-ol;
 5-(5-methylpyridin-3-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 10 2-fluoro-3-[4-(3-hydroxypiperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 2-fluoro-3-[4-[(2S)-2-methylmorpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 2-fluoro-3-[4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7H-pyrrolo[2,3-
 d]pyrimidin-5-yl]benzonitrile;
 5-(3-methyl-1,2-thiazol-5-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine; and
 15 3-[4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-
 yl]benzonitrile;
 or a pharmaceutically acceptable salt thereof.

16. A compound according to claim 1 selected from the group consisting of:
 20 3-[6-(difluoromethyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 5-(5,6-dihydro-2H-pyran-3-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3,4-dihydro-2H-pyran-5-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 4-(morpholin-4-yl)-5-[3-(1,2,4-oxadiazol-3-yl)phenyl]-7H-pyrrolo[2,3-d]pyrimidine;
 3-[4-[2-(3-methyl-1,2-oxazol-5-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-
 25 yl]benzonitrile;
 2-methyl-3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 4-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]pyridin-2(1H)-one;
 5-(imidazo[2,1-b][1,3]thiazol-5-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
rel-3-[4-[(3aS,6aS)-hexahydro-5H-furo[2,3-c]pyrrol-5-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-
 30 yl]benzonitrile;
rel-3-[4-[(3aR,6aS)-tetrahydro-1H-furo[3,4-c]pyrrol-5(3H)-yl]-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl]benzonitrile;

rel-3-{4-[(4*aR*,7*aS*)-hexahydrocyclopenta[*b*][1,4]oxazin-4(4*aH*)-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 4-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]morpholine-2-carbonitrile;
 3-[4-(2,2-dimethylmorpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]thiophene-2-carbonitrile;
 5-(imidazo[1,2-*b*]pyridazin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 2-fluoro-3-{4-[2(*R*)-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 2-fluoro-3-{4-[2(*S*)-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carboxamide;
 4-(morpholin-4-yl)-5-(pyrazolo[1,5-*a*]pyrimidin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 1-methyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrrole-2-carbonitrile;
 5-(6-methylimidazo[2,1-*b*][1,3]thiazol-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[2-(1,2-oxazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 1-methyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-imidazole-2-carbonitrile;
 4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]thiophene-2-carbonitrile;
 4-(morpholin-4-yl)-5-(pyrazolo[1,5-*a*]pyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 1,5-dimethyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrrole-2-carbonitrile;
 1-methyl-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrazole-5-carbonitrile; and
 3-{4-[2-(cyanomethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 or a pharmaceutically acceptable salt thereof.

17. A pharmaceutical composition comprising a therapeutically effective amount of a compound according to any one of claims 1 to 16, or a pharmaceutically acceptable salt thereof together with a pharmaceutically acceptable carrier.

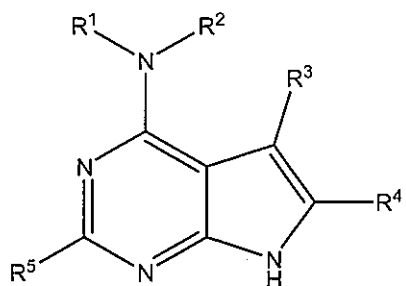
18. A compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 16 for use in the treatment of Parkinson's disease in a patient.

19. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 16 for use in the treatment of Parkinson's disease.

CLAIMS

We claim:

1. A compound of Formula I



wherein

R¹ and R² taken together with the nitrogen to which they are attached are morpholin-4-yl optionally substituted with a methyl or 5-methyl-1,2,4-oxadiazol-3-yl;

R³ is phenyl or a five to ten membered heteroaryl which contains one to four heteroatoms selected from N, O and S; wherein the phenyl and five to ten membered heteroaryl are optionally substituted with one to three R⁹ and wherein the phenyl is optionally fused with a C₅-C₆cycloalkyl or a five to six membered heterocycloalkyl which contains one to three heteroatoms selected from N, O and S and which is optionally substituted with oxo;

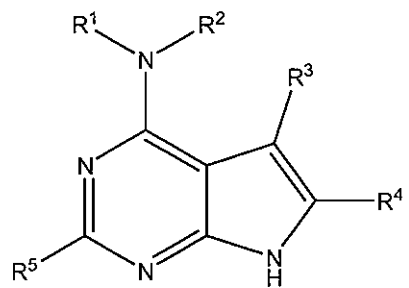
R⁴ and R⁵ are each hydrogen; and

R⁹ at each occurrence is independently cyano, halo, hydroxy, C₁-C₃alkyl-S-, -CO₂H, -C(O)NH₂, -S(O)₂NH₂, C₁-C₃alkyl optionally substituted with one to three halo or hydroxy, or C₁-C₃alkoxy optionally substituted with one to three halo or hydroxy; or a pharmaceutically acceptable salt thereof.

2. The compound of claim 1 wherein R³ is phenyl substituted with one or two R⁹; and each R⁹ is independently selected from cyano, fluoro, chloro or methoxy; or a pharmaceutically acceptable salt thereof.

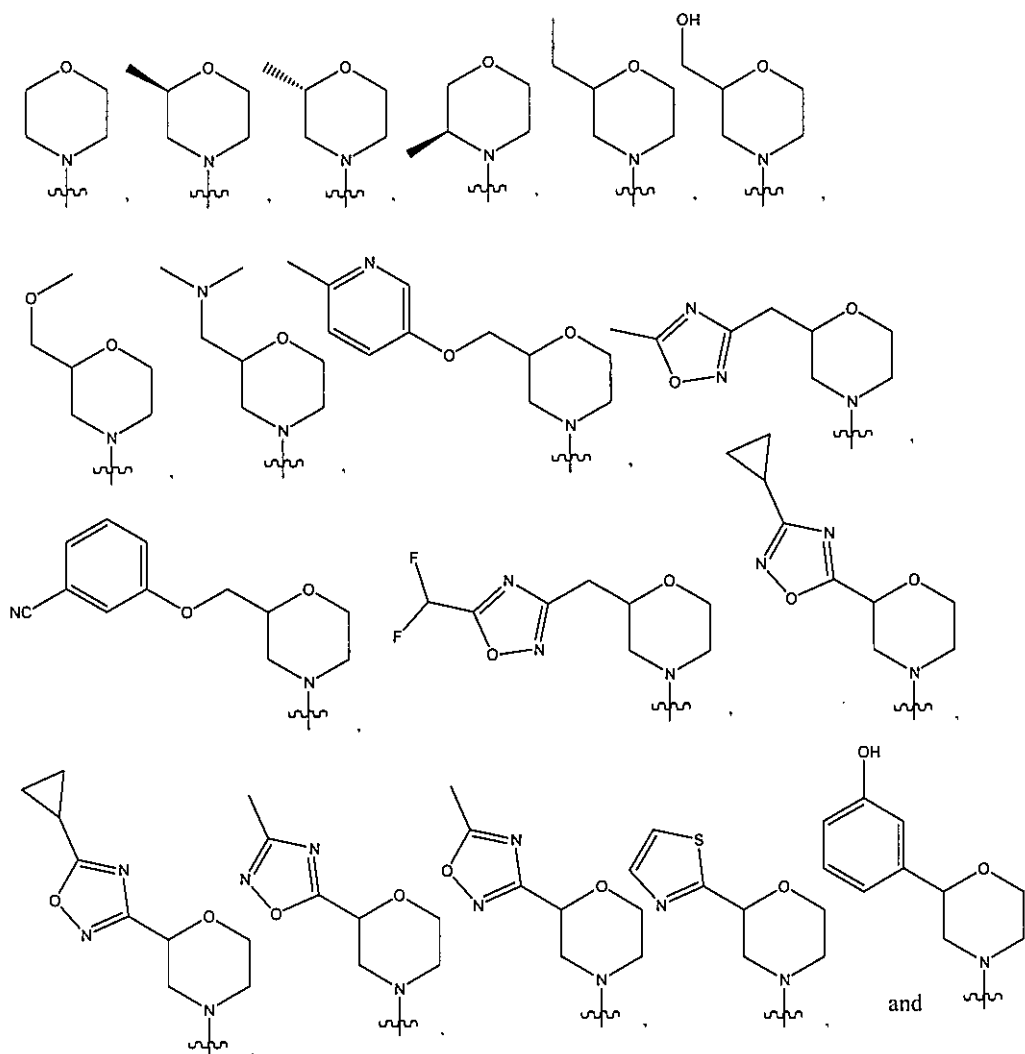
3. The compound of claim 1 wherein R³ is pyrazolyl, isothiazolyl, or pyridinyl, each optionally substituted with one R⁹; and R⁹ is cyano or methyl; or a pharmaceutically acceptable salt thereof.

4. A compound of Formula I



wherein

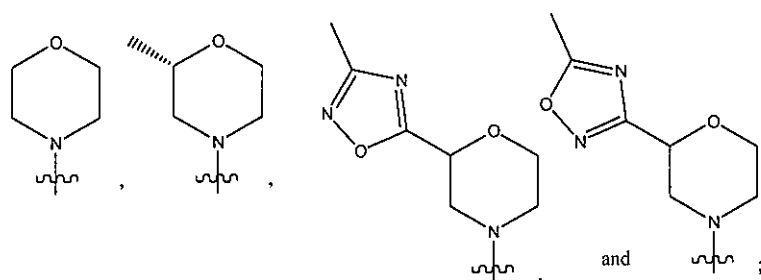
R^1 and R^2 taken together with the nitrogen to which they are attached is selected from the group consisting of:



R^3 is 1-methylpyrazol-4-yl, 1*H*-pyrazol-4-yl, 2-cyanopyridin-6-yl, 3-methyl-1,2-thiazol-5-yl, 5-cyano-1-methylpyrrol-3-yl, 3-methylpyridin-5-yl, 3-cyanophenyl, 2-fluorophenyl, 3-fluorophenyl, 2,3-difluorophenyl, 2-fluoro-5-chlorophenyl, 2-fluoro-3-cyanophenyl or 2-methoxy-5-fluorophenyl; and

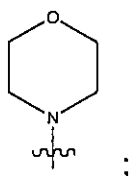
R^4 and R^5 are each independently hydrogen or methyl;
or a pharmaceutically acceptable salt thereof.

5. The compound of claim 4 wherein R^1 and R^2 taken together with the nitrogen to which they are attached are a group selected from



and R^4 and R^5 are each hydrogen; or a pharmaceutically acceptable salt thereof.

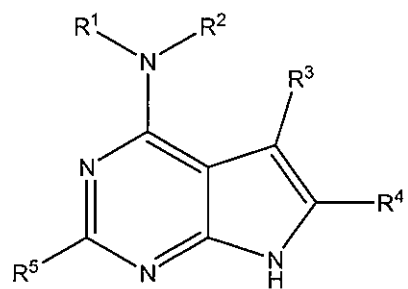
6. The compound of claim 5 wherein R^1 and R^2 taken together with the nitrogen to which they are attached is



or a pharmaceutically acceptable salt thereof.

7. The compound of claim 6 wherein
 R^3 is 3-cyanophenyl, 1-methylpyrazol-4-yl or 5-cyano-1-methylpyrrol-3-yl;
or a pharmaceutically acceptable salt thereof.

8. A compound of Formula I



or a pharmaceutically acceptable salt thereof wherein

R¹ and R² taken together with the nitrogen to which they are attached are piperidinyI or 3-hydroxypiperidinyI;

R³ is 1-methylpyrazol-4-yl, 1*H*-pyrazol-4-yl, 2-cyanopyridin-6-yl, 3-methyl-1,2-thiazol-5-yl, 3-methylpyridin-5-yl, 3-cyanophenyl, 2-fluorophenyl, 3-fluorophenyl, 2,3-difluorophenyl, 2-fluoro-5-chlorophenyl, 2-fluoro-3-cyanophenyl or 2-methoxy-5-fluorophenyl; and

R⁴ and R⁵ are each independently hydrogen or methyl.

9. A compound selected from the group consisting of:

5-(1-methyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
3-[6-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carbonitrile;
3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-{4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
(3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}phenyl)methanol;
4-(morpholin-4-yl)-5-(1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
3-[2-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
{3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]phenyl}methanol;
3-[4-(3,3-dimethylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(piperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
1-(5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)piperidine-3-carboxamide;
3-{4-[(3*S*)-3-hydroxypiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

4-[(3*S*)-3-methylpiperidin-1-yl]-5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-phenyl-4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 [1-(5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl)piperidin-4-yl]methanol;
 1-{5-[3-(hydroxymethyl)phenyl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl}piperidine-3-carbonitrile;
 1-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidine-3-carbonitrile;
 4-(3,5-*cis*-dimethylpiperidin-1-yl)-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-methoxy-3-[4-(3-methylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-4-methoxybenzonitrile;
 5-(5-chloro-2-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 3-{4-[4-(1*H*-imidazol-2-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[3-(methoxymethyl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-[4-(9-methyl-1-oxa-4,9-diazaspiro[5.5]undec-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(3-methoxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[2-(methoxymethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
*N*³-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]-*N,N*-dimethyl-beta-alaninamide;
 3-[4-(4,4-difluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(4-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[4-(1*H*-pyrazol-3-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[(3*S*)-3-fluoropyrrolidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[2-(1*H*-pyrazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[3-(1*H*-pyrazol-3-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[3-(1*H*-imidazol-2-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[(1-methylpiperidin-3-yl)amino]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-[4-(3-oxo-2,7-diazaspiro[4.5]dec-7-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-((3*R*)-3-methylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[(2-(morpholin-4-yl)ethyl)amino]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-[4-(2-oxa-7-azaspiro[4.5]dec-7-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

N-{1-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-4-yl}acetamide;
 5-(1*H*-indazol-5-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzenesulfonamide;
 5-(2-fluorophenyl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(1*H*-indazol-4-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(6-fluoro-5-methylpyridin-3-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}-2,3-dihydro-1*H*-isoindol-1-one;
 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(pyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(5-methylpyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(7*H*-pyrrolo[2,3-*b*]pyridin-5-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 6-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}-2,3-dihydro-1*H*-isoindol-1-one;
 4-[(3*S*)-3-methylpiperidin-1-yl]-5-(1*H*-pyrrolo[3,2-*b*]pyridin-6-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}phenol;
 4-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzamide;
 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}phenol;
 5-(2-chloro-5-methylpyridin-3-yl)-4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzamide;
 3-[4-(3-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(4-methylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzoic acid;
 3-[4-(methylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-[4-(3,5-*cis*-dimethylpiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-4-methoxybenzonitrile;
 4-methoxy-3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 2-fluoro-3-{4-[(3*S*)-3-methylpiperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
N,N-dimethyl-5-phenyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-2-fluorobenzonitrile;

3-[4-(pyrrolidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 3-[4-((3R)-3-methylpyrrolidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 3-[4-(dimethylamino)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-4-fluorobenzonitrile;
 3-[4-(diethylamino)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 3-{4-[(2R)-2-(methoxymethyl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 3-[4-(dimethylamino)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-5-fluorobenzonitrile;
 3-{4-[2-(1H-pyrazol-3-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 3-[4-((3S)-3-methylpyrrolidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 2-fluoro-3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 3-{4-[(2R)-2-methylmorpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 4-fluoro-3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 4-(4-fluoropiperidin-1-yl)-5-(1-methyl-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 2-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 5-(3-chlorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluoro-5-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2,5-difluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2,3-difluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(5-chloro-2-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 {2-fluoro-3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl}methanol;
 5-(2,4-difluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3,5-difluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 4-(morpholin-4-yl)-5-phenyl-7H-pyrrolo[2,3-d]pyrimidine;
 5-(5-fluoro-2-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2-chlorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(5-fluoro-2-methylphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-methoxyphenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 {2-fluoro-5-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl}methanol;
 5-(4-fluorophenyl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;

{3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]phenyl}methanol;
 5-(2-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-[3-(methylsulfanyl)phenyl]-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-(morpholin-4-yl)-5-(pyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]isoquinoline;
 5-(5-bromopyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2-chloro-5-methylphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3-methylphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(1-methyl-1*H*-pyrazol-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-[4-(4-hydroxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[2-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-methyl-5-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-[4-(6-oxa-3-azabicyclo[3.1.1]hept-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-chloro-5-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 4-methoxy-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(5-chloro-2-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 6-methyl-5-(1-methyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-methoxy-5-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(1-methyl-1*H*-pyrazol-4-yl)-4-(thiomorpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 1-[5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-3-ol;
 4-[(2*S*)-2-methylmorpholin-4-yl]-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-[(2*R*)-2-methylmorpholin-4-yl]-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-(3-fluoropiperidin-1-yl)-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 {4-[5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]morpholin-2-yl}methanol;
 5-(1-methyl-1*H*-pyrazol-4-yl)-4-(2-[[6-methylpyridin-3-yl]oxy]methyl)morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
N,N-dimethyl-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;

N-cyclopropyl-*N*-methyl-5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;

3-[4-(3,3-difluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-[4-(3-aminopiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-[4-(2-{{5-(difluoromethyl)-1,2,4-oxadiazol-3-yl}methyl}morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-[4-[2-(1,3-thiazol-2-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-[4-(4-oxopiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-{4-[4-fluoro-4-(hydroxymethyl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

3-{4-[2-(3-hydroxyphenyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

3-{4-[2-(5-cyclopropyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

3-[4-(3,3-difluoropyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-(4-{2-[(3-cyanophenoxy)methyl]morpholin-4-yl}-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl)benzonitrile;

3-[4-(3-hydroxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

1-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidine-3-carboxamide;

3-[4-(2-ethylmorpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-{4-[2-(pyrimidin-4-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

3-{4-[2-(3-cyclopropyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

3-(4-{2-[(dimethylamino)methyl]morpholin-4-yl}-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl)benzonitrile;

3-[4-(1*H*-pyrazol-4-ylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-(4-{2-[(5-methyl-1,2,4-oxadiazol-3-yl)methyl]morpholin-4-yl}-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl)benzonitrile;

3-[4-[3-(5-methyl-1,3,4-oxadiazol-2-yl)piperidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;

3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-5-methoxybenzonitrile;

5-(1-ethyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;

5-(5-methylpyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;

5-(5-chloropyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;

5-(6-methoxypyrazin-2-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(1,3-dimethyl-1H-pyrazol-4-yl)-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 3-{4-[(3S)-3-methylmorpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 2-fluoro-3-[2-methyl-4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 3-{4-[(3R)-3-hydroxypiperidin-1-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 1-[5-(3-fluorophenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]piperidin-3-ol;
 5-(5-fluoro-2-methoxyphenyl)-4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidine;
 2-fluoro-3-[4-(4-fluoropiperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile;
 4-(4-fluoropiperidin-1-yl)-5-(2-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluoro-5-methoxyphenyl)-4-(4-fluoropiperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 3-[4-(4,4-difluoropiperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorobenzonitrile;
 1-[5-(5-methylpyridin-3-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]piperidin-3-ol;
 5-(5-fluoro-2-methoxyphenyl)-4-(4-fluoropiperidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 1-[5-(3-fluoro-5-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]piperidin-3-ol;
 1-[5-(2-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]piperidin-3-ol;
 2-fluoro-3-{4-[2-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 2-fluoro-3-{4-[2-(methoxymethyl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 4-(azetidin-1-yl)-5-(5-fluoro-2-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidine;
 4-[(2S)-2-methylmorpholin-4-yl]-5-(5-methylpyridin-3-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluorophenyl)-4-(pyrrolidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluorophenyl)-4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2-methoxyphenyl)-4-[(2S)-2-methylmorpholin-4-yl]-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2-methoxyphenyl)-N,N-dimethyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine;
 2-fluoro-3-{4-[(3S)-3-fluoropyrrolidin-1-yl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}benzonitrile;
 4-[(3S)-3-fluoropyrrolidin-1-yl]-5-(2-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(2-methoxyphenyl)-4-(pyrrolidin-1-yl)-7H-pyrrolo[2,3-d]pyrimidine;
 5-(3-fluoro-5-methoxyphenyl)-N,N-dimethyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine;

2-fluoro-3-[4-(3-hydroxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(5-fluoro-2-methoxyphenyl)-4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 2-fluoro-3-{4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 5-(5-fluoro-2-methoxyphenyl)-4-(3-fluoropiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3-fluorophenyl)-4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(5-fluoro-2-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 2-fluoro-3-[4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(5-fluoro-2-methoxyphenyl)-4-[(3*S*)-3-fluoropyrrolidin-1-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 2-fluoro-3-{4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 5-(4-methyl-1,3-thiazol-2-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(4-methylpyridin-2-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2-fluoro-6-methoxyphenyl)-*N,N*-dimethyl-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine;
 5-(2-fluoro-6-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2,6-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3-methyl-1,2-thiazol-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2-chloro-3-fluoro-6-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(4-methoxypyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[2-((5*R*)-5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[2-((5*S*)-5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 3-{4-[(2*S*)-2-(methoxymethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

or a pharmaceutically acceptable salt thereof.

10. A compound selected from the group consisting of:

5-(1-methyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-[6-methyl-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carbonitrile;
 3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 3-{4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

4-(morpholin-4-yl)-5-(1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-[4-(piperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 2-fluoro-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(2-fluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(2,3-difluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(5-chloro-2-fluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3-fluorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(5-fluoro-2-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 1-[5-(1-methyl-1*H*-pyrazol-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]piperidin-3-ol;
 5-(5-methylpyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 2-fluoro-3-[4-(3-hydroxypiperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 2-fluoro-3-{4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 2-fluoro-3-{4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 5-(3-methyl-1,2-thiazol-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine; and
 3-{4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 or a pharmaceutically acceptable salt thereof.

11. A compound selected from the group consisting of:

3-[6-(difluoromethyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-(5,6-dihydro-2*H*-pyran-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 5-(3,4-dihydro-2*H*-pyran-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 4-(morpholin-4-yl)-5-[3-(1,2,4-oxadiazol-3-yl)phenyl]-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[2-(3-methyl-1,2-oxazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 2-methyl-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridin-2(1*H*)-one;
 5-(imidazo[2,1-*b*][1,3]thiazol-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
rel-3-{4-[(3*aS*,6*aS*)-hexahydro-5*H*-furo[2,3-*c*]pyrrol-5-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;

rel-3-{4-[(3*aR*,6*aS*)-tetrahydro-1*H*-furo[3,4-*c*]pyrrol-5(3*H*)-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
rel-3-{4-[(4*aR*,7*aS*)-hexahydrocyclopenta[*b*][1,4]oxazin-4(4*aH*)-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 4-[5-(3-cyanophenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-yl]morpholine-2-carbonitrile;
 3-[4-(2,2-dimethylmorpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
 5-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]thiophene-2-carbonitrile;
 5-(imidazo[1,2-*b*]pyridazin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 2-fluoro-3-{4-[2(*R*)-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 2-fluoro-3-{4-[2(*S*)-(3-methyl-1,2,4-oxadiazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carboxamide;
 4-(morpholin-4-yl)-5-(pyrazolo[1,5-*a*]pyrimidin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 1-methyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrrole-2-carbonitrile;
 5-(6-methylimidazo[2,1-*b*][1,3]thiazol-5-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 3-{4-[2-(1,2-oxazol-5-yl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 1-methyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-imidazole-2-carbonitrile;
 4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]thiophene-2-carbonitrile;
 4-(morpholin-4-yl)-5-(pyrazolo[1,5-*a*]pyridin-3-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
 1,5-dimethyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrrole-2-carbonitrile;
 1-methyl-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrazole-5-carbonitrile; and
 3-{4-[2-(cyanomethyl)morpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
 or a pharmaceutically acceptable salt thereof.

12. A compound selected from the group consisting of
5-(1-methyl-1*H*-pyrazol-4-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
6-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]pyridine-2-carbonitrile;
3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-{4-[(2*S*)-2-methylmorpholin-4-yl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl}benzonitrile;
3-[4-(piperidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
3-[4-(dimethylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-2-fluorobenzonitrile;
3-[4-(pyrrolidin-1-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
2-fluoro-3-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]benzonitrile;
5-(3-chlorophenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(5-fluoro-2-methoxyphenyl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(5-bromopyridin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine;
5-(imidazo[1,2-*b*]pyridazin-3-yl)-4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidine; and
1-methyl-4-[4-(morpholin-4-yl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-1*H*-pyrrole-2-carbonitrile;
or a pharmaceutically acceptable salt thereof.

13. A pharmaceutical composition comprising a therapeutically effective amount of a compound according to any one of claims 1 to 12, or a pharmaceutically acceptable salt thereof together with a pharmaceutically acceptable carrier.

14. Use of a compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 12 in the manufacture of a medicament for treating Parkinson's disease in a patient.