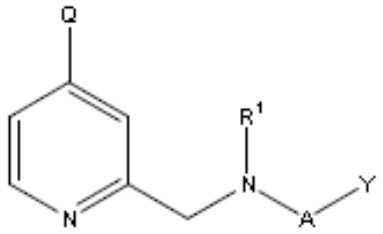
CLAIMS

1. A compound of the Formula (I)



wherein

Q is selected from -CH=NR^{12}, –W, -CH$_2$NHR^{13} and –CH=O;

A is selected from -CH$_2$C(O)-, C$_{1-8}$ alkylene and C$_{2-8}$ alkenylene, which C$_{1-8}$ alkylene and C$_{2-8}$ alkenylene may optionally be substituted with one or more R^3;

Y is selected from -NR^{6}R^7, -OR^7, C$_{1-8}$ alkyl, C$_{3-10}$ cycloalkyl, heterocyclyl and aryl, which C$_{1-8}$ alkyl, C$_{3-10}$ cycloalkyl, heterocyclyl and aryl may optionally be substituted with one or more R^3;

R^1 is selected from –H and C$_{1-8}$ alkyl;

each R^3 is independently selected from C$_{1-6}$ alkyl, C$_{1-4}$ hydroxyalkyl, C$_{3-10}$ cycloalkyl, -Z-heterocyclyl, -Z-aryl, NR^{6}R^7, -Z-OR^7, halogen and -Z-SR^7, wherein any aryl may be substituted with one or more R^5;

each Z is independently selected from a single bond and C$_{1-4}$ alkylene;

each R^5 is independently selected from C$_{1-6}$ alkyl and C$_{1-4}$ alkoxy;

each of R^6 and R^7 is independently selected from –H, C$_{1-8}$ alkyl, C$_{1-4}$ fluoroalkyl, C$_{1-4}$ perfluoroalkyl, C$_{2-8}$ alkynyl, C$_{3-10}$ cycloalkyl, -Z-heterocyclyl and -Z-aryl, which C$_{1-8}$ alkyl, heterocyclyl and aryl may optionally be substituted with one or more independently selected R^8; or, alternatively, R^6 and R^7 may together with the N-atom to which they are attached form an N-heterocyclic ring optionally substituted with one or more independently selected R^8;

each R^8 is independently selected from C$_{1-6}$ alkyl, C$_{3-10}$ cycloalkyl, -Z-heterocyclyl, -Z-aryl, -Z-NR^{10}R^{11}, halogen and -CN, which C$_{3-10}$ cycloalkyl, heterocyclyl and aryl may optionally

be substituted with one or more selected from C_{1-4} alkyl, -Z-$NR^{10}R^{11}$, -Z-OR^9, halogen and -Z-SOR^9;

each R^9 is independently selected from C_{1-8} alkyl; and

each of R^{10} and R^{11} may together with the N-atom to which they are attached form an N-heterocyclic ring;

with the proviso that Y is not H when A is $–CH_2$-;

when Q is -CH=NR^{12}, R^{12} is selected from C_{1-10} alkyl, C_{3-10}cycloalkyl, -Z-aryl, -Z-NR^6R^7 and -Z-OR^7, which C_{1-10} alkyl, C_{3-10} cycloalkyl, and aryl may optionally be substituted with one or more R^3;

when Q is -CH_2NHR^{13} , R^{13} is selected from hydrogen, -C(O)R^7, -C(O)C(O)R^7, C_{1-8} alkyl and C_{3-10} cycloalkyl, which C_{1-8} alkyl, may optionally be substituted with one or more independently selected R^8, with the proviso that C_{1-8} alkyl is not substituted with -Z-aryl;

when Q is W, W is selected from an 1,3-diaza-C_{5-7}-cycloalk-2-yl group which is N-substituted with R^{16} and optionally further substituted with one or more R^3; a 1,3-thiaza-C_{5-7}-cycloalk-2-yl group which is N-substituted with R^{16} and optionally further substituted with one or more R^3; and an 1,3-oxaza-C_{5-7}-cycloalk-2-yl group which is N-substituted with R^{16} and optionally further substituted with one or more R^3, wherein in all three instances two R^3's on the same carbon atom may together form a spiro group;

R^{16} is selected from hydrogen and -C(O)R^7; and

each aryl is phenyl and each heterocyclyl comprises 1 or 2 nitrogen atoms and 4 or 5 total ring atoms;

or an isomer or a mixture of isomers thereof, or a pharmaceutically acceptable salt, or solvate thereof.

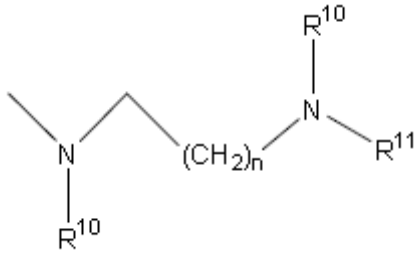
2. A compound according to claim 1, wherein A is selected from -CHR^2C(O)- and C_{1-8} alkylene.

3. A compound according to claim 1, wherein Y is –NR^6R^7.

4. A compound according to claim 3, wherein A is -CHR^2C(O)-.

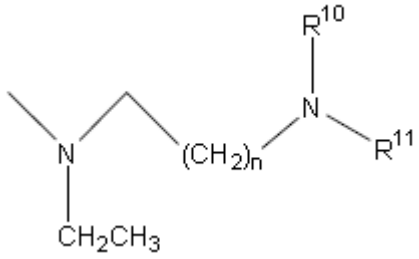
5. A compound according to claim 4, wherein A is $–CH_2$-C(O)-.

6. A compound according to claim 2 , wherein Y is



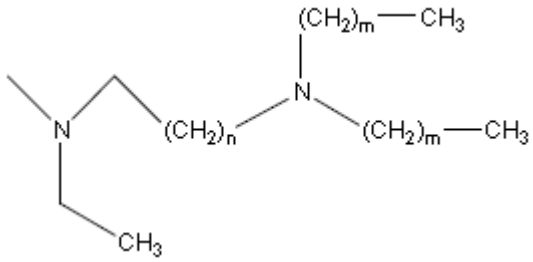
wherein n is from 1 to 3 and each of R^6, R^{10} and R^{11} independently is as defined in claim 1.

7. A compound according to claim 6, wherein Y is



wherein n is from 1 to 3 and each of R^{10} and R^{11} independently is as defined in claim 1.

8. A compound according to claim 6, wherein Y is

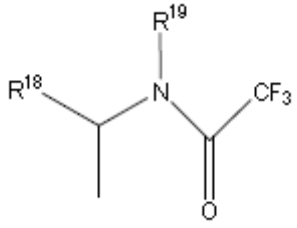


wherein n is from 1 to 3 and each m independently is from 0 to 2.

9. A compound according to claim 1, wherein Y is selected from heterocyclyl and aryl, each of which may be optionally substituted with one or more R^3.

10. A compound according to claim 1, wherein R^{13} is H.

11. A compound according to claim 1, wherein Q is of the formula



wherein R^{18} and R^{19} are hydrogen, or together form a 1,3-diaza-C_{5-7}-cycloalk-2-yl group which is N-substituted with R^{16} and optionally further substituted with one or more R^3; a

1,3-thiaza-C_{5-7}-cycloalk-2-yl group which is N-substituted with R^{16} and optionally further substituted with one or more R^3; an 1,3-oxaza-C_{5-7}-cycloalk-2-yl group which is N-substituted with R^{16} and optionally further substituted with one or more R^3, wherein in all three instances two R^3's on the same carbon atom may together form a spiro group.

12. A compound selected from:

N-{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methyl}-2,2,2-trifluoroacetamide

[2-({[4-(dimethylamino)butyl]amino}methyl)pyridin-4-yl]methanamine

[2-({[3-(dimethylamino)propyl]amino}methyl)pyridin-4-yl]methanamine

2-({[4-(aminomethyl)pyridin-2-yl]methyl}amino)-N-[2-(dimethylamino)ethyl]-N-ethylacetamide

[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methanamine

N-[4-(diethylamino)butyl]-2,2,2-trifluoro-N-({4-[(trifluoroacetamido)methyl]pyridin-2- yl}methyl)acetamide

[2-({[4-(azetidin-1-yl)butyl]amino}methyl)pyridin-4-yl]methanamine

[2-({[5-(dimethylamino)pentyl]amino}methyl)pyridin-4-yl]methanamine

2-({[4-(aminomethyl)pyridin-2-yl]methyl}amino)-N-{1-[(2-methoxyphenyl)methyl]piperidin-4-yl}acetamide

N-{[2-({[4-(dimethylamino)butyl]amino}methyl)pyridin-4-yl]methyl}cyclopropanamine

N-{[2-({[3-(2-methylpiperidin-1-yl)propyl]amino}methyl)pyridin-4-yl]methyl}cyclopropanamine

N-({2-[(propylamino)methyl]pyridin-4-yl}methyl) cyclopropanamine

2-{[(4-{[(cyanomethyl)amino]methyl}pyridin-2-yl)methyl]amino}-N,N-dimethylacetamide

2-{[(4-{[(2-fluoroethyl)amino]methyl}pyridin-2-yl)methyl]amino}-N,N-dimethylacetamide

2-({[4-({[2-(dimethylamino)ethyl]amino}methyl)pyridin-2-yl]methyl}amino)-N,N- dimethylacetamide

{[(2S)-1-benzylpyrrolidin-2-yl]methyl}[(4-{[(cyclopropylmethyl)amino]methyl}pyridin-2- yl)methyl]amine

benzyl(methyl){3-[({4-[(methylamino)methyl]pyridin-2-yl}methyl)amino]propyl}amine

benzyl[3-({[4-({[2-(dimethylamino)ethyl]amino}methyl)pyridin-2-yl]methyl}amino)propyl]methylamine

benzyl(3-{[(4-{[(2-methoxyethyl)amino]methyl}pyridin-2-yl)methyl]amino}propyl)methylamine

2-[({4-[(cyclopropylamino)methyl]pyridin-2-yl}methyl)amino]-N-{1-[(2-methoxyphenyl)methyl]piperidin-4-yl}acetamide

2-cyclopropyl-2-({[2-({[2-(dimethylamino)ethyl]amino}methyl)pyridin-4-yl]methyl}amino)acetonitrile

2-({[2-({[3-(dimethylamino)propyl]amino}methyl)pyridin-4-yl]methyl}amino)propanenitrile

2-[({2-[({4-[benzyl(cyclopropyl)amino]butyl}amino)methyl]pyridin-4-yl}methyl)amino]acetonitrile

2-[2-({[3-(dimethylamino)propyl]amino}methyl)pyridin-4-yl]-2-(methylamino)acetonitrile

N-[(2-{[({[2-(dimethylamino)ethyl](ethyl)carbamoyl}methyl)amino]methyl}pyridin-4-yl)methyl]-2,2,2-trifluoroacetamide

N-[(2-{[N-({[2-(dimethylamino)ethyl](ethyl)carbamoyl}methyl)-2,2,2-trifluoroacetamido]methyl}pyridin-4-yl)methyl]-2,2,2-trifluoroacetamide

({[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methyl}carbamoyl)formic acid

tert-butyl ({[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methyl}carbamoyl)formate

ethyl 2-({[(2-{[({[2-(dimethylamino)ethyl](ethyl)carbamoyl}methyl)amino]methyl}pyridin-4-yl)methyl]carbamoyl}oxy)benzoate

N-[(2-{[({[2-(azetidin-1-yl)ethyl](ethyl)carbamoyl}methyl)amino]methyl}pyridin-4-yl)methyl]-2,2,2-trifluoroacetamide

N-[(2-{[({[2-(dimethylamino)ethyl](ethyl)carbamoyl}methyl)amino]methyl}pyridin-4-yl)methyl]-2,2,3,3,4,4,4-heptafluorobutanamide

N-[(2-{[({[2-(dimethylamino)ethyl](ethyl)carbamoyl}methyl)amino]methyl}pyridin-4-yl)methyl]-2,2-difluorobutanamide

2-[({4-[(N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-N,N-dimethylacetamide

N,N-dimethyl-2-[({4-[[(3-phenylpropyl)imino]methyl]pyridin-2-yl}methyl)amino]acetamide

N,N-dimethyl-2-[({4-[N-(2-methylcyclopropyl)carboximidoyl]pyridin-2-yl}methyl)amino]acetamide

2-[({4-[[(2-cyclohexylethyl)imino]methyl]pyridin-2-yl}methyl)amino]-N,N-dimethylacetamide

[3-(dimethylamino)propyl]({4-[{[3-(dimethylamino)propyl]imino}methyl]pyridin-2- yl}methyl)amine

({4-[{[2-(dimethylamino)ethyl]imino}methyl]pyridin-2-yl}methyl)[3-(dimethylamino)propyl]amine

N-{[2-({[2-(ethylsulfanyl)ethyl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

N-{[2-({[2-(1-methylpyrrolidin-2-yl)ethyl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

N-({2-[({3-[benzyl(methyl)amino]propyl}amino)methyl]pyridin-4-yl}methylidene)cyclopropanamine

N-{[2-({[3-(pyrrolidin-1-yl)propyl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

N-{[2-({[(2E)-4-(dimethylamino)but-2-en-1-yl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

N-{[2-({[4-(azetidin-1-yl)butyl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

N-{[2-({[4-(dimethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

N-[(2-{[({4-[(dimethylamino)methyl]cyclohexyl}methyl)amino]methyl}pyridin-4-yl)methylidene]cyclopropanamine

N-{[2-({[5-(dimethylamino)pentyl]amino}methyl)pyridin-4-yl]methylidene}cyclopropanamine

2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-N-[4-(diethylamino)butyl]acetamide

2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-1-[(2R)-2-(pyrrolidin-1- ylmethyl)pyrrolidin-1-yl]ethan-1-one

N-(2-cyanoethyl)-2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-N- ethylacetamide

2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-N-[(1-ethylpyrrolidin-2- yl)methyl]acetamide

2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-N-methyl-N-[3-(1H-pyrazol-1- yl)propyl]acetamide

N-(1-benzylpyrrolidin-3-yl)-2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]acetamide

2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-1-(4-methylpiperazin-1-yl)ethan-1-one

1-(4-benzylpiperidin-1-yl)-2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]ethan-1-one

2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]-N-methyl-N-(prop-2-yn-1- yl)acetamide

2-[({4-[[(2-cyclohexylethyl)imino]methyl]pyridin-2-yl}methyl)amino]-N,N-diethylacetamide

N,N-diethyl-2-[({4-[(octylimino)methyl]pyridin-2-yl}methyl)amino]acetamide
methyl 2-[({4-[N-cyclopropylcarboximidoyl]pyridin-2-yl}methyl)amino]acetate

[4-(diethylamino)butyl]({4-[[(2-methoxyethyl)imino]methyl]pyridin-2-yl}methyl)amine

2-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]ethan-1-ol

{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}(2,2,3,3,3- pentafluoropropyl)amine

2-[({4-[[(2-cyclohexylethyl)imino]methyl]pyridin-2-yl}methyl)amino]-N-[2-(dimethylamino)ethyl]-N-ethylacetamide

[3-(dimethylamino)propyl]({4-[(methoxyimino)methyl]pyridin-2-yl}methyl)amine

[4-(diethylamino)butyl]({[4-(1-methylimidazolidin-2-yl)pyridin-2-yl]methyl})amine

N-[2-(dimethylamino)ethyl]-N-ethyl-2-[({4-[([(2-hydroxyethyl)imino]methyl]pyridin-2- yl}methyl)amino]acetamide

(2-cyclohexylethyl)({[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene})amine

[4-(diethylamino)butyl]({[4-(1-methyl-1,3-diazinan-2-yl)pyridin-2-yl]methyl})amine

N,N-diethyl-2-[({4-[{[2-(4-methylphenyl)ethyl]imino}methyl]pyridin-2-yl}methyl)amino]acetamide

4-[2-{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}hydrazin-1- yl]benzonitrile

3-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]propan-1-ol

[4-(diethylamino)butyl][(4-{7-oxa-9-azaspiro[4.5]decan-8-yl}pyridin-2-yl)methyl]amine

2-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]propan-1-ol

1-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]propan-2-ol

2-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]-2-phenylethan-1-ol

3-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]-2,2- dimethylpropan-1-ol

(1-{[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]methyl}cyclopropyl)methanol

N-[2-(dimethylamino)ethyl]-N-ethyl-2-[({4-[[(3-hydroxypropyl)imino]methyl]pyridin-2- yl}methyl)amino]acetamide

N-ethyl-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2-yl}methyl)amino]-N-[(1- methylpyrrolidin-2-yl)methyl]acetamide

2-{[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]methyl}-3- phenylpropan-1-ol

2-[({4-[[(2-cyclohexyl-3-hydroxypropyl)imino]methyl]pyridin-2-yl}methyl)amino]-N-[2- (dimethylamino)ethyl]-N-ethylacetamide

N-[3-(dimethylamino)propyl]-N-ethyl-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2- yl}methyl)amino]acetamide

N-[2-(dimethylamino)propyl]-N-ethyl-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2- yl}methyl)amino]acetamide

1-[{[2-({[4-(diethylamino)butyl]amino}methyl)pyridin-4-yl]methylidene}amino]-3-phenylpropan-2-ol

N-{[(1S,2S)-2-(dimethylamino)cyclopentyl]methyl}-N-ethyl-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2-yl}methyl)amino]acetamide

2-[({4-[{[3-(dimethylamino)-2-hydroxypropyl]imino}methyl]pyridin-2-yl}methyl)amino]-N-[2- (dimethylamino)ethyl]-N-ethylacetamide

2-({[4-(5,5-dimethyl-1,3-oxazinan-2-yl)pyridin-2-yl]methyl}amino)-N-[2-(dimethylamino)ethyl]- N-ethylacetamide

N-[2-(dimethylamino)ethyl]-N-ethyl-2-[({4-[({[1-(hydroxymethyl)cyclopropyl]methyl}imino)methyl]pyridin-2-yl}methyl)amino]acetamide

2-[({4-[[(2-benzyl-3-hydroxypropyl)imino]methyl]pyridin-2-yl}methyl)amino]-N-[2- (dimethylamino)ethyl]-N-ethylacetamide

2-[({4-[5-benzyl-3-(trifluoroacetyl)-1,3-oxazinan-2-yl]pyridin-2-yl}methyl)amino]-N-[2- (dimethylamino)ethyl]-N-ethylacetamide

N-[2-(dimethylamino)ethyl]-N-ethyl-2-[({4-[7-(trifluoroacetyl)-5-oxa-7-azaspiro[2.5]octan-6- yl]pyridin-2-yl}methyl)amino]acetamide

N-[(2-fluorophenyl)methyl]-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2-yl}methyl)amino]- N-methylacetamide

2-[({2-[({2-[2-(benzyloxy)phenyl]ethyl}amino)methyl]pyridin-4-yl}methylidene)amino]ethan-1-ol

N-(2-cyanoethyl)-N-ethyl-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2-yl}methyl)amino]acetamide

(2S)-2-[({4-[[(2-hydroxyethyl)imino]methyl]pyridin-2-yl}methyl)amino]-4-methyl-1-(piperidin-1- yl)pentan-1-one

2-[{4-[([(2-hydroxyethyl)imino]methyl]pyridin-2-yl}methyl)amino]-N-methyl-N-(2- phenylethyl)acetamide

2-{[({4-[(dimethylamino)methyl]cyclohexyl}methyl)amino]methyl}pyridine-4-carbaldehyde

2-({[(2E)-4-(dimethylamino)but-2-en-1-yl]amino}methyl)pyridine-4-carbaldehyde

2-({[(2Z)-4-(dimethylamino)but-2-en-1-yl]amino}methyl)pyridine-4-

carbaldehyde

2-({[(1-methylpiperidin-4-yl)methyl]amino}methyl)pyridine-4-carbaldehyde

N-[2-(dimethylamino)ethyl]-N-ethyl-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

2-[({2-oxo-2-[(2R)-2-(pyrrolidin-1-ylmethyl)pyrrolidin-1-yl]ethyl}amino)methyl]pyridine-4- carbaldehyde

2-({[2-(4-methylpiperazin-1-yl)-2-oxoethyl]amino}methyl)pyridine-4-carbaldehyde

N-[(1-ethylpyrrolidin-2-yl)methyl]-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

N,N-diethyl-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

2-({[2-(4-benzylpiperidin-1-yl)-2-oxoethyl]amino}methyl)pyridine-4-carbaldehyde

2-({[4-(diethylamino)butyl]amino}methyl)pyridine-4-carbaldehyde

2-({[4-(dimethylamino)butyl]amino}methyl)pyridine-4-carbaldehyde

2-[({4-[benzyl(cyclopropyl)amino]butyl}amino)methyl]pyridine-4-carbaldehyde

2-({[2-(dimethylamino)ethyl]amino}methyl)pyridine-4-carbaldehyde

2-({[3-(pyrrolidin-1-yl)propyl]amino}methyl)pyridine-4-carbaldehyde

N-[4-(diethylamino)butyl]-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

N-(1-benzylpyrrolidin-3-yl)-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

2-({[5-(dimethylamino)pentyl]amino}methyl)pyridine-4-carbaldehyde

N-[4-(diethylamino)butyl]-2,2,2-trifluoro-N-[(4-formylpyridin-2-yl)methyl]acetamide

N-[2-(diethylamino)ethyl]-N-ethyl-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

2-[({[3-(dimethylamino)cyclopentyl]methyl}amino)methyl]pyridine-4-carbaldehyde

N-[2-(dimethylamino)-2-methylpropyl]-N-ethyl-2-{[(4-formylpyridin-2-yl)methyl]amino}acetamide

N-ethyl-2-{[(4-formylpyridin-2-yl)methyl]amino}-N-[(1-methylpyrrolidin-2-yl)methyl]acetamide

2-({methyl[2-oxo-2-(piperidin-1-yl)ethyl]amino}methyl)pyridine-4-carbaldehyde

13. A compound according to claim 12, in the form of an oxalate salt.

14. A compound according to claim 12, in the form of a citrate salt.

15. A compound according to claim 12, in the form of a fumarate salt.

16. A compound according to claim 12, in the form of an ascorbate salt.

17. A pharmaceutical composition comprising at least one compound of claim 1 and one or more pharmaceutically acceptable excipients, diluents or carriers.

18. A pharmaceutical composition according to claim 17, which comprises one or more further active substances.