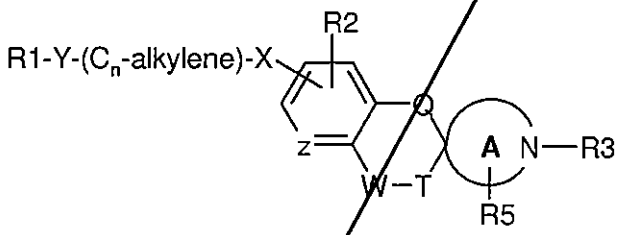
Claims

1. A spiro-cyclic amine derivative of the formula (I)



(I)

wherein

R1 is selected from

cyano,

(2-4C)alkenyl, (2-4C)alkynyl, (1-4C)alkyl each optionally substituted with CN or one or more fluoro atoms,

(3-6C)cycloalkyl, (4-6C)cycloalkenyl or a (8-10C)bicyclic group, each optionally substituted with halogen or (1-4C)alkyl,

phenyl, biphenyl, naphthyl, each optionally substituted with one or more substituents independently selected from halogen, cyano, (1-6C)alkyl optionally substituted with one or more fluoro atoms, (1-6C)alkoxy optionally substituted with one or more fluoro atoms, amino, di(1-4C)alkylamino and (3-6C)cycloalkyl optionally substituted with phenyl which may be substituted with (1-4C)alkyl or halogen,

phenyl substituted with phenoxy, benzyl, benzyloxy, phenylethyl or monocyclic heterocycle, each optionally substituted with (1-4C)alkyl optionally substituted with one or more fluoro atoms,

monocyclic heterocycle optionally independently substituted with halogen, (1-6C)alkyl optionally substituted with one or more fluoro atoms, (3-6C)cycloalkyl, or phenyl optionally substituted with (1-4C)alkyl or halogen,

and

bicyclic heterocycle optionally substituted with halogen or (1-4C)alkyl optionally substituted with one or more fluoro atoms;

–Y-(C_n-alkylene)-X- is a linking group wherein

Y is attached to R1 and selected from a bond, -O-, -CO-, -S-, -SO-, -SO_2-, -NH-, -CH=CH-, -C(CF_3)=CH-, -C≡C-, -CH_2-O-, -O-CO-, -CO-O-, -CO-NH-, -NH-CO-, and trans-cyclopropylene;

n is an integer from 0 to 10; and

X is attached to the phenylene/pyridyl moiety and selected from a bond, -O-, -S-, -SO-, -SO_2-, -NH-, -CO-, -CH=CH-, and trans-cyclopropylene;

R2 is H or independently selected from one or more substituents selected from halogen, (1-4C)alkoxy and (1-4C)alkyl optionally substituted with one or more fluor atoms; and

R3 is (1-4C)alkylene-R4 wherein the alkylene group may be substituted with one or more halogen atoms or with $(CH_2)_2$ to form a cyclopropyl moiety, or R3 is (3-6C)cycloalkylene-R4, -CH_2-(3-6C)cycloalkylene-R4, (3-6C)cycloalkylene-CH_2-R4 or -CO-CH_2-R4, wherein R4 is -OH, -PO_3H_2, -OPO_3H_2, -COOH, -COO(1-4C)alkyl or tetrazol-5-yl;

Q is a bond or -O-;

-W-T- is selected from -CH=CH-, -CH_2-CH_2-, -CH_2-O-, -O-CH_2-, -O-CH_2-CH_2- and -CO-O-;

R5 is H or independently selected from one or more halogens;

Z is CH, CR2 or N; and

A represents a morpholine ring structure or a 5-, 6- or 7-membered cyclic amine;

or a pharmaceutically acceptable salt, a solvate or hydrate thereof or one or more N-oxides thereof.

2. The compound of claim 1, wherein R3 is selected from -$(CH_2)_2$-OH,

$-CH_2-COOH$, $-(CH_2)_2-COOH$, $-(CH_2)_3-COOH$, $-CH_2-CHCH_3-COOH$, $-CH_2-C(CH_3)_2-COOH$, $-CHCH_3-CH_2-COOH$, $-CH_2-CF_2-COOH$, $-CO-CH_2-COOH$, 1,3-cyclobutylene-COOH, $-(CH_2)_2-PO_3H_2$, $-(CH_2)_3-PO_3H_2$, $-(CH_2)_2-OPO_3H_2$, $-(CH_2)_3-OPO_3H_2$, $-CH_2$-tetrazol-5-yl, $-(CH_2)_2$-tetrazol-5-yl and $-(CH_2)_3$-tetrazol-5-yl;
and Q is a bond.

3. The compound of any one of claims 1 to 2, wherein R2 is H, methyl, chloro or fluoro and Z is CH or CR2.

4. The compound of any one of claims 1 to 3, wherein -W-T- is selected from $-CH_2-O-$, $-O-CH_2-$, $-O-CH_2-CH_2-$, $-CO-O-$; and R5 is H.

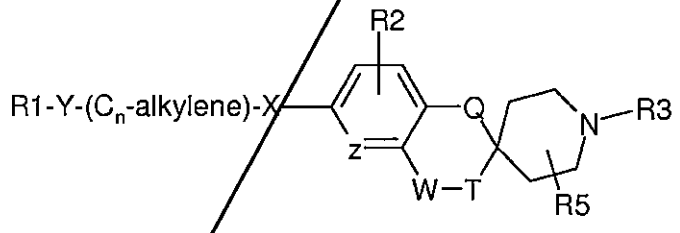
5. The compound of any one of claims 1 to 4, wherein Y is selected from a bond, -O-, -CO-, -CH=CH-, $-C(CF_3)=CH-$, $-C\equiv C-$, and trans-cyclopropylene; n is an integer from 0 to 6.

6. The compound of any one of claims 1 to 5, wherein R1 is selected from (1-4C)alkyl, cyclohexyl, cyclohexenyl, biphenyl optionally substituted with halogen,
phenyl optionally substituted with one, two or three substituents independently selected from halogen, (1-4C)alkyl, trifluoromethyl, (1-4C)alkoxy, trifluoromethoxy, and cyclopropyl optionally substituted with phenyl,
thienyl, pyridyl, tetrahydropyranyl, each optionally substituted with halogen, (1-4C)alkyl, cyclopropyl or phenyl optionally substituted with halogen,
and indolyl, dihydrobenzofuranyl and benzdioxanyl, each optionally substituted with halogen or (1-4C)alkyl.

7. The compound of any one of claims 1 to 6, wherein
R1 is selected from phenyl, optionally substituted with one or more substituents independently selected from halogen, (1-4C)alkyl, cyclopropyl and trifluoromethyl;
the group -Y-(C_n-alkylene)-X- is selected from -CH_2-O-, -CH_2-S- and -CH=CH-;
and -W-T- is -O-CH_2-.

8. The compound of any one of claims 1 to 7, wherein A represents a piperidine structure.

9. The compound of any one of claims 1 to 8, having the structure (II)



(II).

10. The compound of any one of claims 1 to 9, wherein R1 is 2,6-dichlorophenyl and R3 is -(CH_2)$_2$-COOH.

11. The compound of claim 1, selected from
2-(6-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,
2-(6-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,
2-(6-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,
2-(6-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,
2-(6-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,
2-(6-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,
2-(6-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(6-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,
2-(6-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,
2-(5-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,
2-(5-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,
2-(5-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,
2-(5-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,
2-(5-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,
2-(5-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,
2-(5-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,
2-(5-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,
2-(5-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,
3-(5-{[2-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}propanoic acid,
3-[5-(Cyclohexylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-(5-{[3-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,
3-{5-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(3,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2,6-Difluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2-Chlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2-Chloro-6-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[5-(Phenylamino)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Phenylpentyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(3-Chlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Cyclohexylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(Oxan-2ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[3-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,3-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2-Chloro-6-fluorphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,
3-[6-(Benzyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2,4-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Cyclohex-3-en-1ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(3,5-Dichloropyridin-4-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,
3-{6-[(2,4-Dichloropyridin-3-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,
3-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-4-iodophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine] -1'-yl}propanoic acid,
3-{6-[(2,6-Difluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(2,6-Dichlorphenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(2-Fluororphenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-proylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(2-Fluorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(2-Chlorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(3-Phenylpropoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[2-(2,4-Dichlorophenyl)ethoxy]-2H-spiro[1-benzfuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(2-Chlorophenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{[2,6-Dichloro-4-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2,6-Dichloro-4-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(5-Bromo-2-chlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{3-[2-(Trifluoromethyl)phenyl]propoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[3-(2,3-Difluorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(2-Chloro-6-fluorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(2,6-Dichlorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(4-Chlorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-phenylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-4-cyclorpropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-({2-Chloro-5-[2-phenylcyclopropyl]phenyl}methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2-Chloro-6-cyclopropyl)phenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[2-Chloro-6-(2-methylpropyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(5,7-Dichloro-2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(5,7-Difluoro-2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1R)-(2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1S)-(2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2E)-3-(4-Chlorophenyl)prop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(3-Phenyl)prop-2-yn-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(2,3-Dihydro-1-benzfuran-3-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-(6-{[(2E)-3-(2,6-dichlorophenyl)prop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[(2E)-3-phenylprop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-{6-[(7-Chloro-2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{[(3-(4-Chlorophenyl)prop-2-yn-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-(6-{[(2E)-3-(2-fluororophenyl)prop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-{6-[(4-Bromothiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Butylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{[4-(2-Fluorophenyl)thiophen-2yl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Phenylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Bromo-3-methylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Cyclopropylmethylthiophen-2yl)methoxy]-2H-spiro[1-benzfuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(3-Methyl-4-phenylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Butyl-3-methylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,

3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,

2-Methyl- 3-{6-[(2,4,6-trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichloro-4-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-(6-{[2-Chloro-6-(2-methylpropyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)-2- methylpropanoic acid,
3-(6-{[2-Chloro-6-(2-trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)-2- methylpropanoic acid,
3-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
2-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl} acetic acid,
2-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)acetic acid,
2-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)acetic acid,

2-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,

4-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)butanoic acid,

4-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)butanoic acid,

4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-7-methyl-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-7-fluor-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichloro-4-methylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{7-Fluoro-6-[(2,4,6-trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-7-fluor-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-7-fluor-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-ethylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichloro-3-methoxy)phenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(4-Butyl-2,6-dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chloro-6-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chloro-6-cyclopropylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichloro-3-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,4,6-Trichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Methylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Benzylsulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

2-Methyl-3-(6-{[(2,4,6-trichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichloro-3-methoxyphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2,6-Dichloro-4-methylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2-Chloro-6-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-[6-({[2-Chloro-6-(propan-2-yl)phenyl]methyl}sulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}-2-methylpropanoic acid,
3-(6-{[(2-Chlorophenyl)methane]sulfonyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Methylphenyl)sulfanyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichlorophenyl)sulfanyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Methylbenzene)sulfonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichlorobenzene)sulfonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Benzenesulfonyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2-Chlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-Phenylethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[(E)-2-(4-Fluorphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2,6-Dichloro-3-ethylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2,6-Dichloro-4-cyclopropylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(4-Butyl-2,6-dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1Z)-3,3,3-Trifluoro-2-phenylprop-1-en-1-yl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2-Chloro-5-ethylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2,5-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(3-Methylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2-Fluorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
4-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
2-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
3-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
4-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}butanoic acid,
2-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}acetic acid,
3-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,

3-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(2-Phenylcyclopropyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[2-(2-Fluorophenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(2-Chlorophenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(2-Chloro-5-ethylphenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(4-Butyl-2,6-dichlorophenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-Benzyl-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(2-Phenylethyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2-(2,Dichlorophenyl)ethyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl} propanoic acid,
3-{6-[(2-(2-Fluorophenyl)ethyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Phenoxymethyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(Phenylamino)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine] ,
6-[(2,6-Dichlorophenyl)methoxy]-1'-methyl-2H-spiro[1-benzofuran-3,4'-piperidine],
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2,2-difluoropropanoic,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2,2-methylpropanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}ethan-1-ol ,
(2-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}ethoxy)phosphonic acid,
6-[(2,6-Dichlorophenyl)methoxy]-1'-[2-(1H-1,2,3,4-tetrazol-5-yl)ethyl-2H-spiro[1-benzofuran-3,4'-piperidine],
(3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propyl)phosphonic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-3-oxopropanoic acid,
3-{5-[(2-Chlorophenyl)methoxy-2H-spiro[furo[2,3-b]pyridine-1,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2,6-Dichlorophenyl)methoxy-2H-spiro[furo[2,3-b]pyri-dine-1,4'-piperidine]-1'-yl)propanoic acid,
3-[5-(2,6-Dimethylphenoxy)-2H-spiro[furo[2,3-b]pyridine-1,4'-piperidine]-1'-yl]propanoic acid,
3-{5-[(2,6-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'yl}propanoic acid,
3-[5-(Cyclohexylmethoxy)-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2-Chlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-(5-{[2-(Trifluoromethyl)phenyl]methoxy}-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-[5-(Oxan-2-ylmethoxy)-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(3-Chlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-{5-[(2,3-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-(5-{[3-(Trifluoromethyl)phenyl]methoxy}-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(2,5-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-{5-[(3,5-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[((2,6-Dichlorophenyl)carbamoyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chlorophenyl)methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Benzyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(4-Chlorophenyl)methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(6-Cyanohexyl)oxy-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(4-Phenylbutoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(2,3-Dihydro-1-benzofuran-2-ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(2-Phenoxyethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(2-Phenoxypropoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic aci,
3-[6-(2-Phenoxybutoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
Tert-butyl 3-{6-[3-(Benzyloxy)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(2-,3-Dihydro-1,4-benzodioxin-2-ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-(6-{[3-(4-Tert-butylphenyl)-1,2,4-oxadiazol-5-yl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[4-(5-Methyl-1,2,4-oxadiazol-3-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[4-(1H-Pyrazol-1-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[4-(1H-1,2,4-Triazol-1-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2-Methyl-1,3-thiazol-4-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1-Methyl-1H-pyrazol-3-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-({6-Methylimidazol[1,2-a]pyridin-2yl}methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(Hex-5-yn-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(5-Oxohexyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(Naphtalen-2-yloxy)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{3-[(2-Propyl-1,3-thiazol-5-yl)oxy]propoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(7-Methoxyheptyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(Phenylcarbamoyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[2-(Benzyloxy)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Methanesulfonylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Methylphenyl)carbonyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-Benzoyl-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chlorophenyl)carbonyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2E)-3-Phenylprop-2-enoyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2E)-3-(2-Chlorophenyl)prop-2-enoyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1-Benzofuran-2-yl)carbonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Phenylcyclopropyl)carbonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(3-phenylpropanoyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(2,6-Dichlorophenoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]-propanoic acid,
3-{6-(6-Phenoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,
3-[6-(2,6-Dimethylphenoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]-propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}cyclobutane-1-carboxylic acid,
3-(6-{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2-cyclopropyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-ethyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-

piperidine]-1'-yl}propanoic acid,
3-(6-{[2-fluoro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(4-chloro-2,6-difluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[1-(2,6-dichlorophenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-diethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[2-ethyl-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[2-Chloro-6-(difluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid ,
3-{6-[(2-Fluoro-6-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid ,
3-{6-[(2-ethyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-{6-[(2-cyclopropyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)-2-methylpropanoic acid,
2-methyl-3-(6-{[2-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
2-{6-[(2,6-dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
1'-(3-Carboxypropyl)-6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-ium-1'-olate,
3-{6-[(2-Chloro-6-ethylophenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-

3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-fluorophenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-(propan-2-yl)phenyl]methoxy}-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Cyclopropyl-6-fluorophenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(7-fluoro-6{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-[7-fluoro-6-(hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[7-fluoro-6-(heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[7-fluoro-6-(octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[7-fluoro-6-(hex-5-en-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[7-fluoro-6-(oct-7-en-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[7-fluoro-6-(hept-6-en-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{7-fluoro-6-[(5,6,6-trifluorohex-5-en-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{7-fluoro-6-[(4,4,5,5,5-pentafluoropentyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{7-fluoro-6-[(5,5,6,6,6-pentafluorohexyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[7-fluoro-6-(4,4,4-trifluorobutoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-

1'-yl]propanoic acid,
3-[6-(Cyclohexylethoxy)-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2-Ethylhexyl)oxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{7-Fluoro-6-[(3,5,5-trimethylhexyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(3-Cyclohexylpropoxy)-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-5-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-5-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{7-Chloro-6-[(2-chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(7-Chloro-6-{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[(2-Cyclopropyl-6-fluorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-({[2-Fluoro-6-(propan-2-yl)phenyl]methyl}sulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chloro-6-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[7-Fluoro-6-(pentylsulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl]propanoic acid,
3-(6-{[(2-Chloro-6-cyclopropylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methane]sulfonyl}-2H-spiro[1-benzofuran-3,4'-

piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methane]sulfinyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2-Chloro-6-fluorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2-Cyclopropyl-6-fluorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(2-Phenylethynyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[2--(2-Chlorophenyl)ethynyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-3-methylbutanoic acid,
4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}pentanoic acid,
2-Methyl-4-{6-[(2,4,6-trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylbutanoic acid,
4-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylbutanoic acid,
4-{6-[(2-Chloro-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylbutanoic acid,
3-{6-[((2,6-Dichlorobenzene)amido]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[((2,6-Difluorobenzene)amido]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
2-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}cyclopentane-1-carboxylic acid,
3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-pi-

peridine]- 1'-yl}propanoic acid,
3-{6-[(2-Cyclopropyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(3,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]- 1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,
3-{6-[1-(2,6-Dichlorophenyl)ethoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Fluoro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,
3-[6-(Oct-7-en-1-yloxy)-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-

yl)propanoic acid,
3-[6-(Hept-6-en-1-yloxy)-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,
3-[6-(Hex-5-en-1-yloxy)-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-pyrrolidine]-1'-yl}propanoic acid,
3-{5-[(2,6-Dichlorophenyl)methoxy]-2,3-dihydrospiro[indene-1,2'-morpholine]-4'-yl}propanoic acid,
3-[5-(Octyloxy)-2,3-dihydrospiro[indene-1,2'-morpholine]-4'-yl}propanoic acid,
3-[5-(2,6-Dichlorophenoxy)-2,3-dihydrospiro[indene-1,2'-morpholine]-4'-yl}propanoic acid,
3-[5-Fluoro-6-(hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl]propanoic acid,
or a pharmaceutically acceptable salt, a solvate or hydrate thereof or one or more N-oxides thereof.

12. The compound of any one of claims 1 to 11 for use in therapy.

13. The compound of any one of claims 1 to 11 for use in the treatment, alleviation or prevention of diseases and conditions in which any S1P receptor is involved or in which modulation of the endogenous S1P signaling system is involved via any S1P receptor.

14. The compound of claim 13 for use in the treatment, alleviation or prevention of a CNS disorder, such as a neurodegenerative disorder, in particular selected from a cognitive disorder, Alzheimer's disease, (vascular) dementia, Nieman's Pick disease, and cognitive deficits in schizophrenia, obsessive-compulsive behavior, major depression, autism,

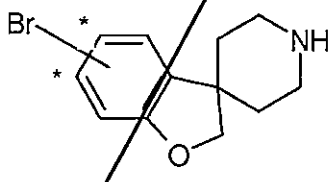
multiple sclerosis and pain, and specifically a cognitive disorder, such as age-related cognitive decline.

15. A pharmaceutical composition comprising the compound of any one of claims 1 to 11 and at least one pharmaceutically acceptable auxiliary.

16. Use of the compound of any one of claims 1 to 11 for the manufacture of a medicament for the treatment, alleviation or prevention of diseases and conditions in which any S1P receptor is involved or in which modulation of the endogenous S1P signaling system via any S1P receptor is involved.

17. The use of claim 16, wherein the disease is a CNS disorder, such as a neurodegenerative disorder, in particular selected from a cognitive disorder, Alzheimer's disease, (vascular) dementia, Nieman's Pick disease, and cognitive deficits in schizophrenia, obsessive-compulsive behavior, major depression, autism, multiple sclerosis and pain, and specifically a cognitive disorder, such as age-related cognitive decline.

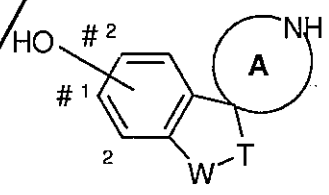
18. A compound of the formula (III)



(III),

wherein Br is attached at one of the sites indicated with an asterisk.

19. A compound of the formula (IV)



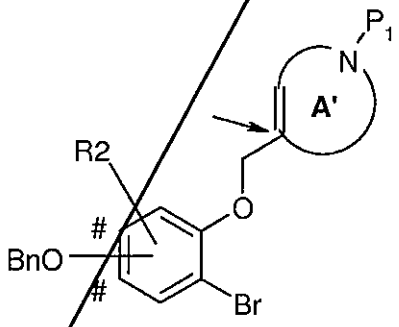
(IV),

wherein OH is attached at one of the sites indicated with #, and wherein, if OH is at the position indicated with [1], the compound may be independently substituted with (1-4C)alkyl or halogen selected from F or Cl at one or both positions indicated with [2]; and

W-T is -O-CH_2- or -CH_2-CH_2-; and

A represents a morpholine ring structure or a 5-, 6- or 7- membered cyclic amine.

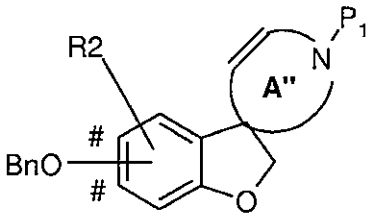
20. A process for the preparation of a compound according to claim 1 of formula (I) wherein R2 is H or one or two substituents selected from fluoro, (1-4C)alkyl and (1-4C)alkoxy; -W-T- is -O-CH_2- and Z is CH or CR2, comprising an intramolecular Heck cyclization step wherein a compound of formula (V),



(V),

wherein A' represents a 5-, 6- or 7- membered cyclic amine with a double bond at the carbon atom indicated with an arrow, P1 is a protecting group selected from -CO_2-benzyl and -CO_2-(1-4C)alkyl, Bn is benzyl and the BnO-group may be attached at one of the sites indicated with #,

is converted in a suitable solvent at elevated temperature, in the presence of silver carbonate and Herrmann-Beller catalyst, into a compound of formula (VI),



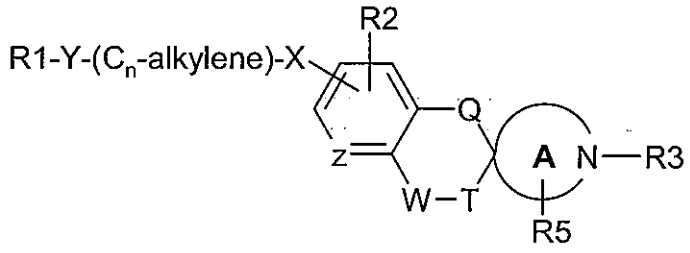
(VI),

wherein A" represents a 5-, 6- or 7- membered cyclic amine with a double bond at a position shifted one or two positions - depending on the position of the nitrogen atom in the ring - with regard to ring A',

whereafter further process steps follow to produce the compound of formula (I).

Claims

1. A spiro-cyclic amine derivative of the formula (**I**)



(I)

wherein
R1 is selected from

cyano,

(2-4C)alkenyl, (2-4C)alkynyl, (1-4C)alkyl each optionally substituted with CN or one or more fluoro atoms,

(3-6C)cycloalkyl, (4-6C)cycloalkenyl or a (8-10C)bicyclic group, each optionally substituted with halogen or (1-4C)alkyl,

phenyl, biphenyl, naphthyl, each optionally substituted with one or more substituents independently selected from halogen, cyano, (1-6C)alkyl optionally substituted with one or more fluoro atoms, (1-6C)alkoxy optionally substituted with one or more fluoro atoms, amino, di(1-4C)alkylamino and (3-6C)cycloalkyl optionally substituted with phenyl which may be substituted with (1-4C)alkyl or halogen,

phenyl substituted with phenoxy, benzyl, benzyloxy, phenylethyl or monocyclic heterocycle, each optionally substituted with (1-4C)alkyl optionally substituted with one or more fluoro atoms,

monocyclic heterocycle optionally independently substituted with halogen, (1-6C)alkyl optionally substituted with one or more fluoro atoms, (3-6C)cycloalkyl, or phenyl optionally substituted with (1-4C)alkyl or halogen,

and

bicyclic heterocycle optionally substituted with halogen or (1-4C)alkyl optionally substituted with one or more fluoro atoms;

–Y-(C_n-alkylene)-X- is a linking group wherein

Y is attached to R1 and selected from a bond, -O-, -CO-, -S-, -SO-, -SO_2-, -NH-, -CH=CH-, -$C(CF_3)$=CH-, -C≡C-, -CH_2-O-, -O-CO-, -CO-O-, -CO-NH-, -NH-CO-,

and trans-cyclopropylene;

n is an integer from 0 to 10; and

X is attached to the phenylene/pyridyl moiety and selected from a bond, -O-, -S-, -SO-, -SO_2-, -NH-, -CO-, -CH=CH-, and trans-cyclopropylene;

R2 is H or independently selected from one or more substituents selected from halogen, (1-4C)alkoxy and (1-4C)alkyl optionally substituted with one or more fluor atoms; and

R3 is (1-4C)alkylene-R4 wherein the alkylene group may be substituted with one or more halogen atoms or with $(CH_2)_2$ to form a cyclopropyl moiety, or R3 is (3-6C)cycloalkylene-R4, -CH_2-(3-6C)cycloalkylene-R4, (3-6C)cycloalkylene-CH_2-R4 or -CO-CH_2-R4, wherein R4 is -OH, -PO_3H_2, -OPO_3H_2, -COOH, -COO(1-4C)alkyl or tetrazol-5-yl;

Q is a bond or -O-;

-W-T- is selected from -CH=CH-, -CH_2-CH_2-, -CH_2-O-, -O-CH_2-, -O-CH_2-CH_2- and -CO-O-;

R5 is H or independently selected from one or more halogens;

Z is CH, CR2 or N; and

A represents a morpholine ring structure or a 5-, 6- or 7-membered cyclic amine;

or a pharmaceutically acceptable salt, a solvate or hydrate thereof or one or more N-oxides thereof.

2. The compound of claim 1, wherein R3 is selected from -$(CH_2)_2$-OH, -CH_2-COOH, -$(CH_2)_2$-COOH, -$(CH_2)_3$-COOH, -CH_2-$CHCH_3$-COOH, -CH_2-$C(CH_3)_2$-COOH, -$CHCH_3$-CH_2-COOH, -CH_2-CF_2-COOH, -CO-CH_2-COOH, 1,3-cyclobutylene-COOH, -$(CH_2)_2$-PO_3H_2, -$(CH_2)_3$-PO_3H_2, -$(CH_2)_2$-OPO_3H_2, -$(CH_2)_3$-OPO_3H_2, -CH_2-tetrazol-5-yl, -$(CH_2)_2$-tetrazol-5-yl and -$(CH_2)_3$-tetrazol-5-yl;
and Q is a bond.

3. The compound of any one of claims 1 to 2, wherein R2 is H, methyl, chloro or fluoro and Z is CH or CR2.

4. The compound of any one of claims 1 to 3, wherein -W-T- is selected from -CH_2-O-, -O-CH_2-, -O-CH_2-CH_2-, -CO-O-; and R5 is H.

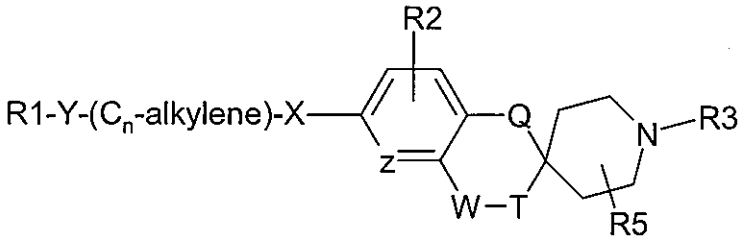
5. The compound of any one of claims 1 to 4, wherein Y is selected from a bond, -O-, -CO-, -CH=CH-, -C(CF_3)=CH-, -C≡C-, and trans-cyclopropylene; n is an integer from 0 to 6.

6. The compound of any one of claims 1 to 5, wherein R1 is selected from
(1-4C)alkyl, cyclohexyl, cyclohexenyl, biphenyl optionally substituted with halogen,
phenyl optionally substituted with one, two or three substituents independently selected from halogen, (1-4C)alkyl, trifluoromethyl, (1-4C)alkoxy, trifluoromethoxy, and cyclopropyl optionally substituted with phenyl,
thienyl, pyridyl, tetrahydropyranyl, each optionally substituted with halogen, (1-4C)alkyl, cyclopropyl or phenyl optionally substituted with halogen,
and indolyl, dihydrobenzofuranyl and benzdioxanyl, each optionally substituted with halogen or (1-4C)alkyl.

7. The compound of any one of claims 1 to 6, wherein
R1 is selected from phenyl, optionally substituted with one or more substituents independently selected from halogen, (1-4C)alkyl, cyclopropyl and trifluoromethyl;
the group -Y-(C_n-alkylene)-X- is selected from -CH_2-O-, -CH_2-S- and -CH=CH-;
and -W-T- is -O-CH_2-.

8. The compound of any one of claims 1 to 7, wherein **A** represents a piperidine structure.

9. The compound of any one of claims 1 to 8, having the structure (**II**)



(**II**).

10. The compound of any one of claims 1 to 9, wherein R1 is 2,6-dichlorophenyl and R3 is -(CH_2)$_2$-COOH.

11. The compound of claim 1, selected from

2-(6-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(6-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,

2-(6-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,

2-(6-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(6-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,

2-(6-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,

2-(6-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(6-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,

2-(6-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,

2-(5-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(5-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,

2-(5-(Hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,

2-(5-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(5-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,

2-(5-(Heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,

2-(5-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)acetic acid,

2-(5-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)propanoic acid,

2-(5-(Octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-yl)butanoic acid,

3-(5-{[2-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}propanoic acid,

3-[5-(Cyclohexylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-(5-{[3-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{5-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{5-[(3,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{5-[(2,6-Difluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{5-[(2-Chlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{5-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-

yl}propanoic acid,
3-{5-[(2-Chloro-6-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[5-(Phenylamino)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(4-Phenylpentyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(3-Chlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-[6-(Cyclohexylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-[6-(Oxan-2ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-(6-{[3-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-(Trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,3-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}-propanoic acid,
3-{6-[(2-Chloro-6-fluorphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,
3-[6-(Benzyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2,4-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-(Cyclohex-3-en-1ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]-propanoic acid,
3-{6-[(3,5-Dichloropyridin-4-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,4-Dichloropyridin-3-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-

1'-yl}propanoic acid,
3-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-4-iodophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Difluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[2-(2,6-Dichlorphenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[2-(2-Fluororphenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2-Chloro-5-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-proylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(2-Fluorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[3-(2-Chlorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-[6-(3-Phenylpropoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[2-(2,4-Dichlorophenyl)ethoxy]-2H-spiro[1-benzfuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[2-(2-Chlorophenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-(6-{[2,6-Dichloro-4-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2,6-Dichloro-4-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(5-Bromo-2-chlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-

1'-yl}propanoic acid,
3-(6-{3-[2-(Trifluoromethyl)phenyl]propoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[3-(2,3-Difluorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[3-(2-Chloro-6-fluorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[3-(2,6-Dichlorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[3-(4-Chlorophenyl)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2-Chloro-5-phenylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-4-cyclorpropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-[6-({2-Chloro-5-[2-phenylcyclopropyl]phenyl}methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(2-Chloro-6-cyclopropyl)phenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[2-Chloro-6-(2-methylpropyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-

piperidine]-1'-yl)propanoic acid,
3-{6-[(5,7-Dichloro-2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(5,7-Difluoro-2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1R)-(2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(1S)-(2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2E)-3-(4-Chlorophenyl)prop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(3-Phenyl)prop-2-yn-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-[6-(2,3-Dihydro-1-benzfuran-3-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,
3-(6-{[(2E)-3-(2,6-dichlorophenyl)prop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[(2E)-3-phenylprop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(7-Chloro-2,3-dihydro-1H-inden-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(3-(4-Chlorophenyl)prop-2-yn-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[(2E)-3-(2-fluororophenyl)prop-2-en-1-yl]oxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(4-Bromothiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-(6-{[4-(2-Fluorophenyl)thiophen-2yl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Phenylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Bromo-3-methylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-

piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Cyclopropylmethylthiophen-2yl)methoxy]-2H-spiro[1-benzfuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(3-Methyl-4-phenylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butyl-3-methylthiophen-2yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
2-Methyl- 3-{6-[(2,4,6-trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-4-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-(6-{[2-Chloro-6-(2-methylpropyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)-2- methylpropanoic acid,
3-(6-{[2-Chloro-6-(2-trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)-2- methylpropanoic acid,
3-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
3-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2- methylpropanoic acid,
2-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperi

dine]-1'-yl} acetic acid,
2-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)acetic acid,
2-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
2-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)acetic acid,
2-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
4-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(2-Chloro-5-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
4-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)butanoic acid,
4-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)butanoic acid,
4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-7-methyl-2H-spiro[1-benzofuran-3,4'-

piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichlorophenyl)methoxy]-7-fluor-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-4-methylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{7-Fluoro-6-[(2,4,6-trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-Dichloro-3-methoxyphenyl)methoxy]-7-fluor-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-7-fluor-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-5-ethylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-Chloro-6-(trifluoromethoxy)phenyl]methoxy}-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichloro-3-methoxy)phenyl)méthyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(4-Butyl-2,6-dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chloro-6-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chloro-6-cyclopropylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichloro-3-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,4,6-Trichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Chlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2-Methylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-

yl}propanoic acid,
3-[6-(Benzylsulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
2-Methyl-3-(6-{[(2,4,6-trichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[(2,6-Dichloro-3-methoxyphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2,6-Dichloro-4-methylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2-Chloro-6-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-[6-({[2-Chloro-6-(propan-2-yl)phenyl]methyl}sulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[(2,6-Dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}-2-methylpropanoic acid,
3-(6-{[(2-Chlorophenyl)methane]sulfonyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Methylphenyl)sulfanyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2,6-Dichlorophenyl)sulfanyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Methylbenzene)sulfonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(2,6-Dichlorobenzene)sulfonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-[6-(Benzenesulfonyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-(2-Chlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(E)-2-Phenylethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,
3-{6-[(E)-2-(4-Fluorphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[(E)-2-(2,6-Dichloro-3-ethylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(2,6-Dichloro-4-cyclopropylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(4-Butyl-2,6-dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(1Z)-3,3,3-Trifluoro-2-phenylprop-1-en-1-yl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(2-Chloro-5-ethylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(2,5-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(3-Methylphenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(2-Fluorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

4-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

2-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,

3-{6-[(E)-2-(2,6-Dichlorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,

4-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}butanoic acid,

2-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}acetic acid,

3-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,

3-{6-[2-(2,6-Dichlorophenyl)cyclopropyl]-2H-spiro[1-benzo-furan-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(2-Phenylcyclopropyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[2-(2-Fluorophenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[2-(2-Chlorophenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[2-(2-Chloro-5-ethylphenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[2-(4-Butyl-2,6-dichlorophenyl)cyclopropyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-Benzyl-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(2-Phenylethyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(2-(2,Dichlorophenyl)ethyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl} propanoic acid,

3-{6-[(2-(2-Fluorophenyl)ethyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-[6-(Phenoxymethyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(Phenylamino)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-butanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2,2-difluoropropanoic,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2,2-methylpropanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-ethan-1-ol ,

(2-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-ethoxy)phosphonic acid,

6-[(2,6-Dichlorophenyl)methoxy]-1'-[2-(1H-1,2,3,4-tetrazol-5-yl)ethyl-2H-spiro[1-benzofuran-3,4'-piperidine],

(3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propyl)phosphonic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-3-oxopropanoic acid,

3-{5-[(2-Chlorophenyl)methoxy-2H-spiro[furo[2,3-b]pyridine-1,4'-piperidine]-1'-yl} propanoic acid,

3-{5-[(2,6-Dichlorophenyl)methoxy-2H-spiro[furo[2,3-b]pyri-dine-1,4'-piperidine]-1'-yl)propanoic acid,

3-[5-(2,6-Dimethylphenoxy)-2H-spiro[furo[2,3-b]pyridine-1,4'-piperidine]-1'-yl]-propanoic acid,

3-{5-[(2,6-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}-propanoic acid,

3-[5-(Cyclohexylmethoxy)-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-{5-[(2-Chlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}-propanoic acid,

3-(5-{[2-(Trifluoromethyl)phenyl]methoxy}-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-[5-(Oxan-2-ylmethoxy)-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-{5-[(3-Chlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}-propanoic acid,

3-{5-[(2,3-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}-propanoic acid,

3-(5-{[3-(Trifluoromethyl)phenyl]methoxy}-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-{5-[(2,5-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-{5-[(3,5-Dichlorophenyl)methoxy]-3-H-spiro[2-benzofuran-1,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[((2,6-Dichlorophenyl)carbamoyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Chlorophenyl)methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-[6-(Benzyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(4-Chlorophenyl)methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[(6-Cyanohexyl)oxy-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(4-Phenylbutoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(2,3-Dihydro-1-benzofuran-2-ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(2-Phenoxyethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(2-Phenoxypropoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(2-Phenoxybutoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

Tert-butyl 3-{6-[3-(Benzyloxy)propoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(2-,3-Dihydro-1,4-benzodioxin-2-ylmethoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-(6-{[3-(4-Tert-butylphenyl)-1,2,4-oxadiazol-5-yl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-(6-{[4-(5-Methyl-1,2,4-oxadiazol-3-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-(6-{[4-(1H-Pyrazol-1-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-(6-{[4-(1H-1,2,4-Triazol-1-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-{6-[(2-Methyl-1,3-thiazol-4-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(1-Methyl-1H-pyrazol-3-yl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-({6-Methylimidazol[1,2-a]pyridin-2yl}methoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(Hex-5-yn-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(5-Oxohexyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[2-(Naphtalen-2-yloxy)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{3-[(2-Propyl-1,3-thiazol-5-yl)oxy]propoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-{6-[(7-Methoxyheptyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[(Phenylcarbamoyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[2-(Benzyloxy)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Methanesulfonylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Methylphenyl)carbonyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-Benzoyl-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Chlorophenyl)carbonyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2E)-3-Phenylprop-2-enoyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[(2E)-3-(2-Chlorophenyl)prop-2-enoyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(1-Benzofuran-2-yl)carbonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-{6-[(2-Phenylcyclopropyl)carbonyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-propanoic acid,

3-[6-(3-phenylpropanoyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(2,6-Dichlorophenoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-(6-Phenoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl}propanoic acid,

3-[6-(2,6-Dimethylphenoxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-cyclobutane-1-carboxylic acid,

3-(6-{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-{6-[(2-cyclopropyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-ethyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{[2-fluoro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-{6-[(4-chloro-2,6-difluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[1-(2,6-dichlorophenyl)ethoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2,6-diethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-(6-{[2-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[2-ethyl-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
3-(6-{[2-Chloro-6-(difluoromethoxy)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid ,
3-{6-[(2-Fluoro-6-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid ,
3-{6-[(2-ethyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-{6-[(2-cyclopropyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,
3-(6-{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)-2-methylpropanoic acid,
2-methyl-3-(6-{[2-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,
2-{6-[(2,6-dichloro-3-methoxyphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}acetic acid,
1'-(3-Carboxypropyl)-6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidin]-1'-ium-1'-olate,
3-{6-[(2-Chloro-6-ethylophenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-fluorophenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,
3-{6-[(2-Chloro-6-(propan-2-yl)phenyl]methoxy}-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Cyclopropyl-6-fluorophenyl)methoxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(7-fluoro-6{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-[7-fluoro-6-(hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[7-fluoro-6-(heptyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[7-fluoro-6-(octyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[7-fluoro-6-(hex-5-en-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[7-fluoro-6-(oct-7-en-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[7-fluoro-6-(hept-6-en-1-yloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{7-fluoro-6-[(5,6,6-trifluorohex-5-en-1-yl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{7-fluoro-6-[(4,4,5,5,5-pentafluoropentyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{7-fluoro-6-[(5,5,6,6,6-pentafluorohexyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[7-fluoro-6-(4,4,4-trifluorobutoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-[6-(Cyclohexylethoxy)-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(2-Ethylhexyl)oxy]-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{7-Fluoro-6-[(3,5,5-trimethylhexyl)oxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(3-Cyclohexylpropoxy)-7-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-5-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-5-fluoro-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{7-Chloro-6-[(2-chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(7-Chloro-6-{[2-fluoro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl)propanoic acid,

3-(6-{[(2-Cyclopropyl-6-fluorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-({[2-Fluoro-6-(propan-2-yl)phenyl]methyl}sulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-(6-{[(2,6-Dichlorophenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{[(2-Chloro-6-ethylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[7-Fluoro-6-(pentylsulfanyl)-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl]propanoic acid,

3-(6-{[(2-Chloro-6-cyclopropylphenyl)methyl]sulfanyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylpropanoic acid,

3-(6-{[(2,6-Dichlorophenyl)methane]sulfonyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-(6-{[(2,6-Dichlorophenyl)methane]sulfinyl}-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(2-Chloro-6-fluorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[(E)-2-(2-Cyclopropyl-6-fluorophenyl)ethenyl]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-[6-(2-Phenylethynyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl]propanoic acid,

3-{6-[2--(2-Chlorophenyl)ethynyl)-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-3-methylbutanoic acid,

4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}pentanoic acid,

2-Methyl-4-{6-[(2,4,6-trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}butanoic acid,

4-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylbutanoic acid,

4-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylbutanoic acid,

4-{6-[(2-Chloro-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}-2-methylbutanoic acid,

3-{6-[((2,6-Dichlorobenzene)amido]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

3-{6-[((2,6-Difluorobenzene)amido]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}propanoic acid,

2-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,4'-piperidine]-1'-yl}cyclopentane-1-carboxylic acid,

3-{6-[(2-Chloro-6-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]- 1'-yl}propanoic acid,

3-{6-[(2-Cyclopropyl-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-(6-{[2-Chloro-6-(propan-2-yl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,

3-{6-[(2-Chloro-6-cyclopropylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Chloro-6-fluorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichloro-3-ethylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(4-Butyl-2,6-dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,4,6-Trichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(3,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2,5-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-{6-[(2-Chloro-6-methylphenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-(6-{[2-Chloro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,

3-{6-[1-(2,6-Dichlorophenyl)ethoxy]-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl}propanoic acid,

3-(6-{[2-Fluoro-6-(trifluoromethyl)phenyl]methoxy}-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,

3-[6-(Oct-7-en-1-yloxy)-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,

3-[6-(Hept-6-en-1-yloxy)-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,

3-[6-(Hex-5-en-1-yloxy)-2H-spiro[1-benzofuran-3,3'-piperidine]-1'-yl)propanoic acid,

3-{6-[(2,6-Dichlorophenyl)methoxy]-2H-spiro[1-benzofuran-3,3'-pyrrolidine]-1'-yl}propanoic acid,

3-{5-[(2,6-Dichlorophenyl)methoxy]-2,3-dihydrospiro[indene-1,2'-morpholine]-4'-yl}propanoic acid,

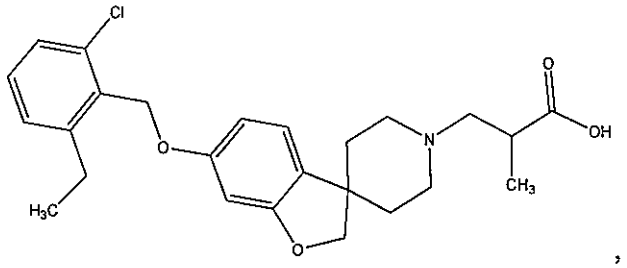
3-[5-(Octyloxy)-2,3-dihydrospiro[indene-1,2'-morpholine]-4'-yl}propanoic acid,

3-[5-(2,6-Dichlorophenoxy)-2,3-dihydrospiro[indene-1,2'-morpholine]-4'-yl}propanoic acid,

3-[5-Fluoro-6-(hexyloxy)-2H-spiro[1-benzofuran-3,4'-piperidine]- 1'-yl]propanoic acid,

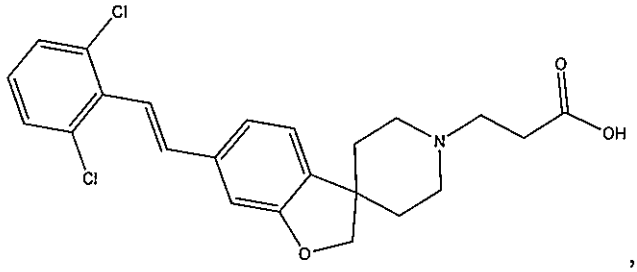
or a pharmaceutically acceptable salt, a solvate or hydrate thereof or one or more N-oxides thereof.

12. A compound of formula



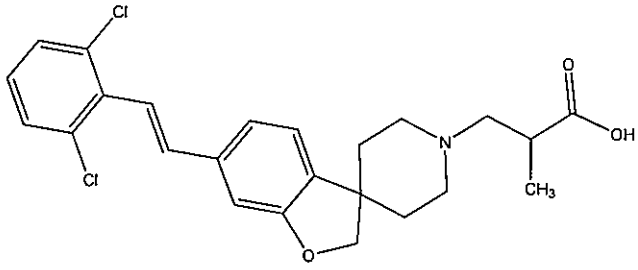
or a pharmaceutically acceptable salt thereof.

13. A compound of formula



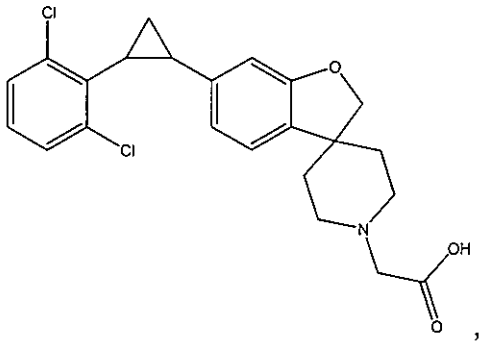
or a pharmaceutically acceptable salt thereof.

14. A compound of formula



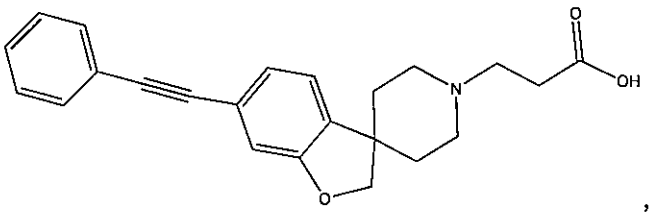
or a pharmaceutically acceptable salt thereof.

15. A compound of formula



or a pharmaceutically acceptable salt thereof.

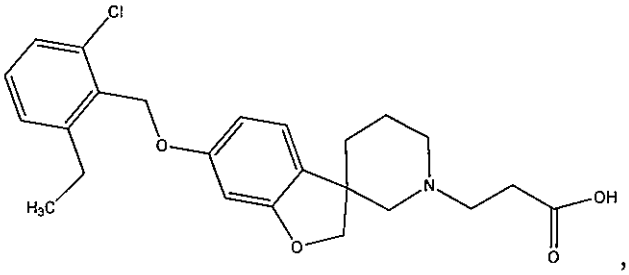
16. A compound of formula



,

or a pharmaceutically acceptable salt thereof.

17. A compound of formula



,

or a pharmaceutically acceptable salt thereof.

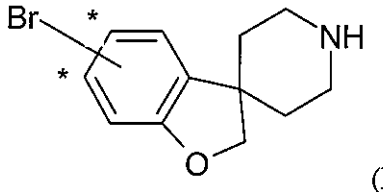
18. The compound of any one of claims 1 to 17 for use in therapy.

19. The compound of any one of claims 1 to 17 for use in the treatment, alleviation or prevention of a CNS disorder, such as a neurodegenerative disorder, in particular selected from a cognitive disorder, Alzheimer's disease, (vascular) dementia, Nieman's Pick disease, and cognitive deficits in schizophrenia, obsessive-compulsive behavior, major depression, autism, multiple sclerosis and pain, and specifically a cognitive disorder, such as age-related cognitive decline.

20. A pharmaceutical composition comprising the compound of any one of claims 1 to 17 and at least one pharmaceutically acceptable auxiliary.

21. Use of the compound of any one of claims 1 to 17 for the manufacture of a medicament for the treatment, alleviation or prevention of
a CNS disorder, such as a neurodegenerative disorder, in particular selected from a cognitive disorder, Alzheimer's disease, (vascular) dementia, Nieman's Pick disease, and cognitive deficits in schizophrenia, obsessive-compulsive behavior, major depression, autism, multiple sclerosis and pain, and specifically a cognitive disorder, such as age-related cognitive decline.

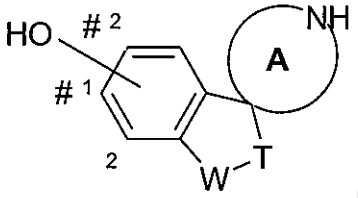
22. A compound of the formula (**III**)



(**III**),

wherein Br is attached at one of the sites indicated with an asterisk.

23. A compound of the formula (**IV**)



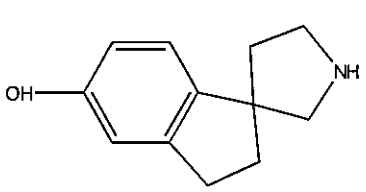
(**IV**),

wherein OH is attached at one of the sites indicated with #, and wherein, if OH is at the position indicated with [1], the compound may be independently substituted with (1-4C)alkyl or halogen selected from F or Cl at one or both positions indicated with [2]; and

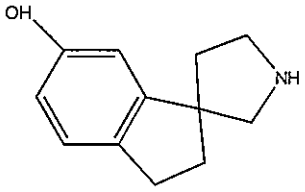
W-T is -O-CH_2- or -CH_2-CH_2-; and

A represents a morpholine ring structure or a 5-, 6- or 7- membered cyclic amine,

with the proviso that the compound of formula (**IV**) is not

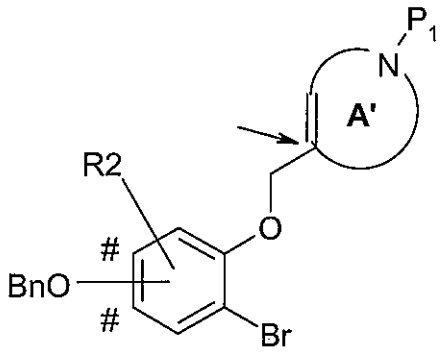


or



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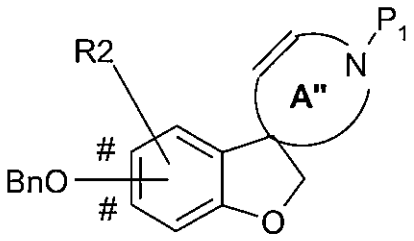
24. A process for the preparation of a compound according to claim 1 of formula (**I**) wherein R2 is H or one or two substituents selected from fluoro, (1-4C)alkyl and (1-4C)alkoxy; -W-T- is -O-CH_2- and Z is CH or CR2, comprising an intramolecular Heck cyclization step wherein a compound of formula (**V**),



(V),

wherein A' represents a 5-, 6- or 7- membered cyclic amine with a double bond at the carbon atom indicated with an arrow, P1 is a protecting group selected from -CO_2-benzyl and -CO_2-(1-4C)alkyl, Bn is benzyl and the BnO-group may be attached at one of the sites indicated with #,

is converted in a suitable solvent at elevated temperature, in the presence of silver carbonate and Herrmann-Beller catalyst, into a compound of formula (VI),



(VI),

wherein A" represents a 5-, 6- or 7- membered cyclic amine with a double bond at a position shifted one or two positions - depending on the position of the nitrogen atom in the ring - with regard to ring A',

whereafter further process steps follow to produce the compound of formula (I).