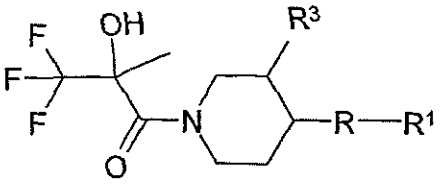
Patent Claims

1. Compounds of the formula I



I

in which

R denotes pyrazol-diyl, imidazol-diyl, isoxazol-diyl or triazol-diyl, each of which is unsubstituted or monosubstituted by R^2,

R^1 denotes $(CH_2)_nAr$, $(CH_2)_nHet$, A or Cyc,

R^2 denotes A', methoxy, hydroxymethyl, COOA', CN, COOH, $CONH_2$ or OH,

R^3 denotes H, A', COOA' or CN,

Ar denotes phenyl, which is unsubstituted or mono-, di-, tri-, tetra- or pentasubstituted by Hal, A, CN, OA, $[C(R^5)_2]_pOH$, $[C(R^5)_2]_pN(R^5)_2$, NO_2, $[C(R^5)_2]_pCOOR^5$, NR^5COA, NR^5SO_2A, $[C(R^5)_2]_pSO_2N(R^5)_2$, $S(O)_nA$, $O[C(R^5)_2]_mN(R^5)_2$, NR^5COOA, $NR^5CON(R^5)_2$ and/or COA,

Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms, which is unsubstituted or mono- or disubstituted by Hal, A, CN, OA, $[C(R^5)_2]_pOH$, $[C(R^5)_2]_pN(R^5)_2$, NO_2, $[C(R^5)_2]_pCOOR^5$, NR^5COA, NR^5SO_2A, $[C(R^5)_2]_pSO_2N(R^5)_2$, $S(O)_nA$, $O[C(R^5)_2]_mN(R^5)_2$, NR^5COOA, $NR^5CON(R^5)_2$ and/or COA,

Cyc denotes cyclic alkyl with 3, 4, 5, 6 or 7 C-atoms, which is unsubstituted or monosubstituted by OH,

A denotes unbranched or branched alkyl with 1-10 C-atoms, wherein one or two non-adjacent CH- and/or CH_2-groups may

be replaced by N-, O- and/or S-atoms and/or wherein 1-7 H-atoms may be replaced by R^4,

R^4 denotes F, Cl or OH,

R^5 denotes H oder A',

A' denotes unbranched or branched alkyl with 1-6 C-atoms, wherein 1-5 H-atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

m denotes 1, 2, 3 or 4,

n denotes 0, 1 or 2,

p denotes 0, 1, 2, 3 or 4

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

2. Compounds according to Claim 1 in which

R^2 denotes A', methoxy or hydroxymethyl,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

3. Compounds according to Claim 1 or 2, in which

R^3 denotes H or A',

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

4. Compounds according to one or more of Claims 1-3, in which

Ar denotes phenyl, which is unsubstituted or mono-, di-, tri-, tetra- or pentasubstituted by Hal, A, CN and/or OA,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

5. Compounds according to one or more of Claims 1-4, in which

Het denotes pyrimidyl, pyridyl, pyridazinyl, pyrazinyl, piperidinyl, pyrrolidinyl, pyrazolyl, thiazolyl, imidazolyl, furanyl, thiophenyl, pyrrolyl, oxazolyl, isoxazolyl, triazolyl, oxadiazolyl or thiadiazolyl, each of which is unsubstituted or mono- or disubstituted by Hal, A, CN and/or OA,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

6. Compounds according to Claim 1 in which

R denotes pyrazol-diyl, imidazol-diyl, isoxazol-diyl or triazol-diyl, each of which is unsubstituted or monosubstituted by R^2,

R^1 denotes $(CH_2)_nAr$, $(CH_2)_nHet$, A or Cyc,

R^2 denotes A', methoxy or hydroxymethyl,

R^3 denotes H or A',

Ar denotes phenyl, which is unsubstituted or mono-, di-, tri-, tetra- or pentasubstituted by Hal, A, CN and/or OA,

Het denotes pyrimidyl, pyridyl, pyridazinyl, pyrazinyl, piperidinyl, pyrrolidinyl, pyrazolyl, thiazolyl, imidazolyl, furanyl, thiophenyl, pyrrolyl, oxazolyl, isoxazolyl, triazolyl, oxadiazolyl or thiadiazolyl, each of which is unsubstituted or mono- or disubstituted by Hal, A, CN and/or OA,

Cyc denotes cyclic alkyl with 3, 4, 5, 6 or 7 C-atoms, which is unsubstituted or monosubstituted by OH,

A denotes unbranched or branched alkyl with 1-10 C-atoms, wherein one or two non-adjacent CH- and/or CH_2-groups may be replaced by N-, O- and/or S-atoms and/or wherein 1-7 H-atoms may be replaced by R^4,

R^4 denotes F, Cl or OH,

A' denotes unbranched or branched alkyl with 1-6 C-atoms, wherein 1-5 H-atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

7. Compounds according to Claim 1, selected from the group

No.	Name
"A1"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-p-tolyl-2*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A2"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A3"	2-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A4"	(R)-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A5"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-o-tolyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A6"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-m-tolyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A7"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(2-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A8"	3-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A9"	4-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A10"	(R)-3,3,3-Trifluoro-1-{4-[2-(3-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one

"A11"	(R)-1-{4-[2-(2-Chloro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A12"	(R)-1-{4-[2-(3-Chloro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A13"	(R)-1-{4-[2-(4-Chloro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A14"	(R)-3,3,3-Trifluoro-1-{4-[2-(4-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A15"	(R)-1-{4-[2-(3-Chloro-2-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A16"	(R)-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-4-methyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A17"	(R)-1-[4-(2-tert-Butyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A18"	(R)-1-{4-[2-(2-Chloro-4-trifluoromethyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A19"	(R)-1-{4-[2-(5-Bromo-pyrimidin-2-yl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A20"	(R)-3,3,3-Trifluoro-2-hydroxy-1-(4-{2-[4-(1-hydroxy-1-methyl-ethyl)-phenyl]-2H-pyrazol-3-yl}-piperidin-1-yl)-2-methyl-propan-1-one
"A21"	(R)-1-{4-[2-(4-tert-Butyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A22"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(4-isopropyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A23"	(R)-1-{4-[2-(4-Chloro-2-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A24"	(R)-1-{4-[2-(4-Ethyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A25"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-phenyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A26"	(R)-1-{4-[2-(2,4-Difluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A27"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(4-trifluoromethyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A28"	(R)-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A29"	(R)-1-{4-[1-(5-Chloro-pyridin-2-yl)-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A30"	rac-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A31"	(R)-1-{4-[2-(2,4-Difluoro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A32"	(R)-1-{(3R,4R)-4-[2-(2,4-difluoro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A33"	(R)-1-{(3S,4S)-4-[2-(2,4-difluoro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A34"	(R)-1-{4-[1-(4-Chloro-phenyl)-5-methyl-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A35"	(R)-1-{4-[2-(4-Chloro-phenyl)-5-trifluoromethyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A36"	(R)-1-[4-(2-Isopropyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A37"	(R)-1-[4-(2-Cyclohexyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A38"	(R)-1-[4-(2-Benzyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A39"	(R)-1-{4-[2-(2-Chloro-4-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A40"	(R)-1-{4-[1-(4-Fluoro-phenyl)-5-methyl-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A41"	(R)-1-{4-[2-(4-Fluoro-phenyl)-5-methyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A42"	(R)-1-{4-[2-(4-Fluoro-phenyl)-5-trifluoromethyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A43"	(R)-1-[4-(2-Phenyl-5-trifluoromethyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A44"	(R)-1-{4-[1-(4-Fluoro-phenyl)-1H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A45"	(R)-3,3,3-Trifluoro-1-{(3R,4R)-4-[1-(4-fluoro-phenyl)-1H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A46"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[1-(4-fluoro-phenyl)-1H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A47"	(R)-1-[4-(5-Methyl-1-phenyl-1H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A48"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(3-chloro-4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A49"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-(4-{2-[4-(2,2,2-trifluoro-ethoxy)-phenyl]-2H-pyrazol-3-yl}-piperidin-1-yl)-propan-1-one
"A50"	(R)-1-{4-[2-(4-Chloro-phenyl)-5-methyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A51"	(R)-1-[4-(2-Cyclopentyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A52"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-methyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A53"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(6-methoxy-pyridin-3-yl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A54"	5-(2-Fluoro-phenyl)-4-[1-((R)-3,3,3-trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-2,4-dihydro-[1,2,4]triazol-3-one
"A55"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-phenyl)-[1,2,4]triazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A56"	(R)-1-{4-[3-(4-Chloro-phenyl)-[1,2,4]triazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A57"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[3-(4-methoxy-phenyl)-3H-[1,2,3]triazol-4-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A58"	(R)-1-{4-[3-(4-Chloro-phenyl)-3H-[1,2,3]triazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A59"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(3-p-tolyl-3H-[1,2,3]triazol-4-yl)-piperidin-1-yl]-propan-1-one
"A60"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-4-methyl-phenyl)-3H-[1,2,3]triazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A61"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-phenyl-imidazol-1-yl)-piperidin-1-yl]-propan-1-one
"A62"	(R)-1-{4-[2-(4-Chloro-phenyl)-imidazol-1-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A63"	(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-[4-(5-phenylimidazol-1-yl)-1-piperidyl]propan-1-one
"A64"	(2R)-1-[4-[5-(4-chlorophenyl)imidazol-1-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A65"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(3-phenyl-3H-imidazol-4-yl)-piperidin-1-yl]-propan-1-one
"A66"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(5-phenyl-pyrazol-1-yl)-piperidin-1-yl]-propan-1-one
"A67"	(R)-3,3,3-Trifluoro-1-{4-[1-(4-fluoro-phenyl)-1H-imidazol-2-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A68"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(1-p-tolyl-1H-imidazol-2-yl)-piperidin-1-yl]-propan-1-one
"A69"	(R)-1-{4-[1-(4-Chloro-phenyl)-1H-imidazol-2-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A70"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[1-(4-methoxy-phenyl)-1H-imidazol-2-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A71"	(R)-3,3,3-Trifluoro-1-{4-[4-(4-fluoro-phenyl)-4H-[1,2,4]triazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A72"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(4-phenyl-4H-[1,2,4]triazol-3-yl)-piperidin-1-yl]-propan-1-one
"A73"	(R)-1-{4-[4-(4-Chloro-phenyl)-4H-[1,2,4]triazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A74"	(R)-1-[4-(2-Cyclopropyl-2*H*-pyrazol-3-yl)-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A75"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(1-methyl-piperidin-4-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A76"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-(2-isobutyl-1*H*-pyrazol-3-yl)-1-piperidyl]-2-methyl-propan-1-one
"A77"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(2,2,2-trifluoro-ethyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A78"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-[2-(2-methoxyethyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-2-methyl-propan-1-one
"A79"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(6-methyl-pyridin-3-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one

"A80"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-[6-(trifluoro-methyl)-3-pyridyl]-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A81"	5-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-pyridine-2-carbonitrile
"A82"	(R)-1-[4-[2-(3,5-Difluoro-2-pyridyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A83"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(5-methyl-pyridin-2-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A84"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(5-trifluoro-methyl-pyridin-2-yl)-2H-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A85"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(1-methylpyrazol-4-yl)-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A86"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(4-methylthiazol-2-yl)-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A87"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(1H-imidazol-2-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A88"	(R)-3,3,3-Trifluoro-1-[4-[2-[2-fluoro-4-(trifluoromethyl)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A89"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-[2-(trifluoro-methyl)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A90"	(R)-3,3,3-Trifluoro-1-{4-[2-(4-fluoro-2-methoxy-phenyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A91"	3-Fluoro-4-[5-[1-[(R)-3,3,3-trifluoro-2-hydroxy-2-methyl-propanoyl]-4-piperidyl]-2*H*-pyrazol-1-yl]benzonitrile
"A92"	(R)-3,3,3-Trifluoro-1-[4-[2-[2-fluoro-4-(1-hydroxy-1-methyl-ethyl)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A93"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(6-methoxy-pyridazin-3-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one

"A94"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-[2-(4-hydroxycyclohexyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-2-methyl-propan-1-one
"A95"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-[4-(trifluoro-methoxy)-phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A96"	(R)-1-[4-[2-[4-(Difluoromethoxy)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A97"	(R)-1-{4-[2-(2,4-Difluoro-phenyl)-5-methyl-2*H*-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A98"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(5-methyl-2-phenyl-2*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A99"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(1-methyl-1*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A100"	(R)-1-{4-[2-(4-Chloro-3-fluoro-phenyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A101"	(R)-1-{4-[2-(3,4-Dichloro-phenyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A102"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[1-(5-trifluoro-methyl-pyridin-2-yl)-1*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A103"	(R)-1-{4-[1-(5-Chloro-pyrimidin-2-yl)-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A104"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A105"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[1-(6-methoxy-pyridazin-3-yl)-1*H*-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A106"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[(3S,4S)-3-methyl-4-(2-phenyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A107"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(4-fluoro-phenyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one

"A108"	(R)-3,3,3-Trifluoro-1-{(3R,4R)-4-[2-(4-fluoro-phenyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A109"	(R)-1-{4-[1-(3,5-Difluoro-pyridin-2-yl)-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A110"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(4-methoxy-phenyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A111"	4-{5-[(3S,4S)-3-Methyl-1-((R)-3,3,3-trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A112"	(2R)-1-[4-[2-(5-Fluoro-2-pyridyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A113"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(6-methoxy-pyridin-3-yl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A114"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-(1-isobutyl-1*H*-pyrazol-3-yl)-piperidin-1-yl]-2-methyl-propan-1-one
"A115"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(5-methyl-isoxazol-3-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A116"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(tetrahydro-pyran-4-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A117"	(R)-1-[4-(2-Benzothiazol-2-yl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A118"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(5-fluoro-pyridin-2-yl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A119"	(R)-1-{(3S,4S)-4-[2-(4-Chloro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

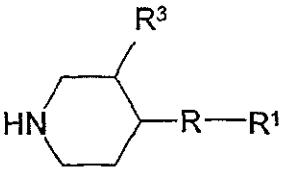
"A120"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{(3S,4S)-4-[2-(4-hydroxy-cyclohexyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-methyl-propan-1-one
"A121"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{(3S,4S)-4-[2-(4-hydroxy-cyclohexyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-methyl-propan-1-one
"A122"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-(2-isoxazol-3-yl-2*H*-pyrazol-3-yl)-piperidin-1-yl]-2-methyl-propan-1-one
"A123"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-pyridazin-3-yl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A124"	(R)-3,3,3-Trifluoro-1-{4-[3-(4-fluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A125"	(R)-1-{4-[3-(4-Chloro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A126"	(R)-1-{4-[3-(4-Chloro-2-fluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A127"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[3-(4-trifluoro-methyl-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-propan-1-one
"A128"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(3-phenyl-isoxazol-4-yl)-piperidin-1-yl]-propan-1-one
"A129"	(R)-3,3,3-Trifluoro-1-{4-[3-(4-fluoro-phenyl)-isoxazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A130"	(R)-1-{4-[3-(2,4-Difluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A131"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[3-(4-methoxy-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A132"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A133"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[3-(6-methoxy-pyridin-3-yl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-methyl-propan-1-one

"A134"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-4-methoxy-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A135"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A136"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2-methylthiazol-5-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A137"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methyl-1,3,4-thiadiazol-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A138"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methyl-1,3,4-oxadiazol-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A139"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2-methylpyrimidin-5-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A140"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2-methylthiazol-4-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A141"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methylpyrazin-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A142"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(1-methylimidazol-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A143"	(2R)-1-[4-[2-[4-(1,1-Difluoroethyl)phenyl]pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A144"	(2R)-1-[(3S,4S)-4-[2-(3,5-Difluoro-2-pyridyl)pyrazol-3-yl]-3-methyl-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A145"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[(3S,4S)-3-methyl-4-[2-(1-methylpyrazol-4-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A146"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2,2,2-trifluoro-1,1-dimethyl-ethyl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A147"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[(3S,4S)-3-methyl-4-[2-(2,2,2-trifluoro-1,1-dimethyl-ethyl)pyrazol-3-yl]-1-piperidyl]propan-1-one

"A148"	(2R)-3,3,3-Trifluoro-2-hydroxy-1-[(3S,4S)-4-[2-[4-(1-hydroxy-1-methyl-ethyl)phenyl]pyrazol-3-yl]-3-methyl-1-piperidyl]-2-methyl-propan-1-one
"A149"	(2R)-3,3,3-Trifluoro-1-[(3R,4S)-4-[3-(4-fluorophenyl)-1,2,4-triazol-4-yl]-3-methyl-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A150"	(2R)-1-[(3R,4S)-4-[3-(2,4-Difluorophenyl)-1,2,4-triazol-4-yl]-3-methyl-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A151"	(2R)-3,3,3-trifluoro-2-hydroxy-1-[4-[3-[4-(1-hydroxy-1-methyl-ethyl)phenyl]imidazol-4-yl]-1-piperidyl]-2-methyl-propan-1-one
"A152"	(2R)-3,3,3-Trifluoro-1-[(3S,4S)-4-[3-(4-fluorophenyl)imidazol-4-yl]-3-methyl-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A153"	(2R)-3,3,3-Trifluoro-1-[4-[3-(4-fluorophenyl)-2-methyl-imidazol-4-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A154"	(2R)-3,3,3-Trifluoro-1-[4-[3-(4-fluorophenyl)-2-(hydroxyl-methyl)imidazol-4-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A155"	(2R)-3,3,3-trifluoro-1-[4-[3-(4-fluorophenyl)-2-methoxy-imidazol-4-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

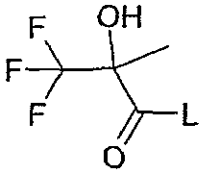
8. Process for the preparation of compounds of the formula I according to Claims 1-7 and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, characterised in that
a compound of the formula II



II

in which R, R^1 and R^3 have the meanings indicated in Claim 1,

is reacted with a compound of the formula III



III

in which L denotes Cl, Br, I or a free or reactively functionally modified OH group,

and/or

a base or acid of the formula I is converted into one of its salts.

9. Medicaments comprising at least one compound of the formula I and/or pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, and optionally an pharmaceutically acceptable carrier, excipient or vehicle.

10. Compounds of the formula I and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, for the use for the treatment and/or prevention of cancer, diabetes, heart ischemia, insulin resistance syndrome, metabolic syndrome, hyperglycemia, dyslipidemia, atherosclerosis, cardiac failure,

cardiomyopathy, myocardial ischemia, hyperlactacidemia, mitochondrial disease, mitochondrial encephalomyopathy.

11. Compounds according to claim 10 for the use for the treatment and/or prevention of diseases selected from the group cancer of head, neck, eye, mouth, throat, esophagus, bronchus, larynx, pharynx, chest, bone, lung, colon, rectum, stomach, prostate, urinary bladder, uterine, cervix, breast, ovaries, testicles or other reproductive organs, skin, thyroid, blood, lymph nodes, kidney, liver, pancreas, brain, central nervous system, solid tumors and blood-borne tumors.

12. Medicaments comprising at least one compound of the formula I and/or pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, and at least one further medicament active ingredient.

13. Set (kit) consisting of separate packs of

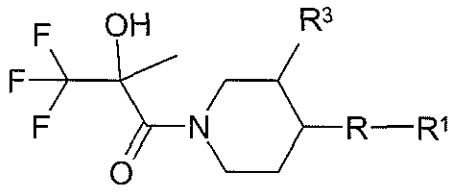
(a) an effective amount of a compound of the formula I and/or pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios,

and

(b) an effective amount of a further medicament active ingredient.

Patent Claims

1. Compound of the formula I



I

in which

R denotes pyrazol-diyl, imidazol-diyl, isoxazol-diyl or triazol-diyl, each of which is unsubstituted or monosubstituted by R^2,

R^1 denotes $(CH_2)_nAr$, $(CH_2)_nHet$, A or Cyc,

R^2 denotes A', methoxy, hydroxymethyl, COOA', CN, COOH, $CONH_2$ or OH,

R^3 denotes H, A', COOA' or CN,

Ar denotes phenyl, which is unsubstituted or mono-, di-, tri-, tetra- or pentasubstituted by Hal, A, CN, OA, $[C(R^5)_2]_pOH$, $[C(R^5)_2]_pN(R^5)_2$, NO_2, $[C(R^5)_2]_pCOOR^5$, NR^5COA, NR^5SO_2A, $[C(R^5)_2]_pSO_2N(R^5)_2$, $S(O)_nA$, $O[C(R^5)_2]_mN(R^5)_2$, NR^5COOA, $NR^5CON(R^5)_2$ and/or COA,

Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms, which is unsubstituted or mono- or disubstituted by Hal, A, CN, OA, $[C(R^5)_2]_pOH$, $[C(R^5)_2]_pN(R^5)_2$, NO_2, $[C(R^5)_2]_pCOOR^5$, NR^5COA, NR^5SO_2A, $[C(R^5)_2]_pSO_2N(R^5)_2$, $S(O)_nA$, $O[C(R^5)_2]_mN(R^5)_2$, NR^5COOA, $NR^5CON(R^5)_2$ and/or COA,

Cyc denotes cyclic alkyl with 3, 4, 5, 6 or 7 C-atoms, which is unsubstituted or monosubstituted by OH,

A denotes unbranched or branched alkyl with 1-10 C-atoms, wherein one or two non-adjacent CH- and/or CH_2-groups may

be replaced by N-, O- and/or S-atoms and/or wherein 1-7 H-atoms may be replaced by R^4,

R^4 denotes F, Cl or OH,

R^5 denotes H oder A',

A' denotes unbranched or branched alkyl with 1-6 C-atoms, wherein 1-5 H-atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

m denotes 1, 2, 3 or 4,

n denotes 0, 1 or 2,

p denotes 0, 1, 2, 3 or 4

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

2. Compound according to Claim 1 in which

R^2 denotes A', methoxy or hydroxymethyl,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

3. Compound according to Claim 1 or 2, in which

R^3 denotes H or A',

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

4. Compound according to one or more of Claims 1-3, in which

Ar denotes phenyl, which is unsubstituted or mono-, di-, tri-, tetra- or pentasubstituted by Hal, A, CN and/or OA,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

5. Compound according to one or more of Claims 1-4, in which

Het denotes pyrimidyl, pyridyl, pyridazinyl, pyrazinyl, piperidinyl, pyrrolidinyl, pyrazolyl, thiazolyl, imidazolyl, furanyl, thiophenyl, pyrrolyl, oxazolyl, isoxazolyl, triazolyl, oxadiazolyl or thiadiazolyl, each of which is unsubstituted or mono- or disubstituted by Hal, A, CN and/or OA,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

6. Compound according to Claim 1 in which

R denotes pyrazol-diyl, imidazol-diyl, isoxazol-diyl or triazol-diyl, each of which is unsubstituted or monosubstituted by R^2,

R^1 denotes $(CH_2)_nAr$, $(CH_2)_nHet$, A or Cyc,

R^2 denotes A', methoxy or hydroxymethyl,

R^3 denotes H or A',

Ar denotes phenyl, which is unsubstituted or mono-, di-, tri-, tetra- or pentasubstituted by Hal, A, CN and/or OA,

Het denotes pyrimidyl, pyridyl, pyridazinyl, pyrazinyl, piperidinyl, pyrrolidinyl, pyrazolyl, thiazolyl, imidazolyl, furanyl, thiophenyl, pyrrolyl, oxazolyl, isoxazolyl, triazolyl, oxadiazolyl or thiadiazolyl, each of which is unsubstituted or mono- or disubstituted by Hal, A, CN and/or OA,

Cyc denotes cyclic alkyl with 3, 4, 5, 6 or 7 C-atoms, which is unsubstituted or monosubstituted by OH,

A denotes unbranched or branched alkyl with 1-10 C-atoms, wherein one or two non-adjacent CH- and/or CH_2-groups may be replaced by N-, O- and/or S-atoms and/or wherein 1-7 H-atoms may be replaced by R^4,

R^4 denotes F, Cl or OH,

A' denotes unbranched or branched alkyl with 1-6 C-atoms, wherein 1-5 H-atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

7. Compound according to Claim 1, selected from the group

No.	Name
"A1"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-p-tolyl-2*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A2"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A3"	2-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A4"	(R)-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A5"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-o-tolyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A6"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-m-tolyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A7"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(2-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A8"	3-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A9"	4-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A10"	(R)-3,3,3-Trifluoro-1-{4-[2-(3-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one

"A11"	(R)-1-{4-[2-(2-Chloro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A12"	(R)-1-{4-[2-(3-Chloro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A13"	(R)-1-{4-[2-(4-Chloro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A14"	(R)-3,3,3-Trifluoro-1-{4-[2-(4-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A15"	(R)-1-{4-[2-(3-Chloro-2-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A16"	(R)-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-4-methyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A17"	(R)-1-[4-(2-tert-Butyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A18"	(R)-1-{4-[2-(2-Chloro-4-trifluoromethyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A19"	(R)-1-{4-[2-(5-Bromo-pyrimidin-2-yl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A20"	(R)-3,3,3-Trifluoro-2-hydroxy-1-(4-{2-[4-(1-hydroxy-1-methyl-ethyl)-phenyl]-2H-pyrazol-3-yl}-piperidin-1-yl)-2-methyl-propan-1-one
"A21"	(R)-1-{4-[2-(4-tert-Butyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A22"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(4-isopropyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A23"	(R)-1-{4-[2-(4-Chloro-2-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A24"	(R)-1-{4-[2-(4-Ethyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A25"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-phenyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A26"	(R)-1-{4-[2-(2,4-Difluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A27"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(4-trifluoromethyl-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A28"	(R)-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A29"	(R)-1-{4-[1-(5-Chloro-pyridin-2-yl)-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A30"	rac-3,3,3-Trifluoro-1-{4-[2-(2-fluoro-4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A31"	(R)-1-{4-[2-(2,4-Difluoro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A32"	(R)-1-{(3R,4R)-4-[2-(2,4-difluoro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A33"	(R)-1-{(3S,4S)-4-[2-(2,4-difluoro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A34"	(R)-1-{4-[1-(4-Chloro-phenyl)-5-methyl-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A35"	(R)-1-{4-[2-(4-Chloro-phenyl)-5-trifluoromethyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A36"	(R)-1-[4-(2-Isopropyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A37"	(R)-1-[4-(2-Cyclohexyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A38"	(R)-1-[4-(2-Benzyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A39"	(R)-1-{4-[2-(2-Chloro-4-fluoro-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A40"	(R)-1-{4-[1-(4-Fluoro-phenyl)-5-methyl-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A41"	(R)-1-{4-[2-(4-Fluoro-phenyl)-5-methyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A42"	(R)-1-{4-[2-(4-Fluoro-phenyl)-5-trifluoromethyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A43"	(R)-1-[4-(2-Phenyl-5-trifluoromethyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A44"	(R)-1-{4-[1-(4-Fluoro-phenyl)-1H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A45"	(R)-3,3,3-Trifluoro-1-{(3R,4R)-4-[1-(4-fluoro-phenyl)-1H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A46"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[1-(4-fluoro-phenyl)-1H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A47"	(R)-1-[4-(5-Methyl-1-phenyl-1H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A48"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(3-chloro-4-methoxy-phenyl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A49"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-(4-{2-[4-(2,2,2-trifluoro-ethoxy)-phenyl]-2H-pyrazol-3-yl}-piperidin-1-yl)-propan-1-one
"A50"	(R)-1-{4-[2-(4-Chloro-phenyl)-5-methyl-2H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A51"	(R)-1-[4-(2-Cyclopentyl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A52"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-methyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A53"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(6-methoxy-pyridin-3-yl)-2H-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A54"	5-(2-Fluoro-phenyl)-4-[1-((R)-3,3,3-trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-2,4-dihydro-[1,2,4]triazol-3-one
"A55"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-phenyl)-[1,2,4]triazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A56"	(R)-1-{4-[3-(4-Chloro-phenyl)-[1,2,4]triazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A57"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[3-(4-methoxy-phenyl)-3H-[1,2,3]triazol-4-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A58"	(R)-1-{4-[3-(4-Chloro-phenyl)-3H-[1,2,3]triazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A59"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(3-p-tolyl-3H-[1,2,3]triazol-4-yl)-piperidin-1-yl]-propan-1-one
"A60"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-4-methyl-phenyl)-3H-[1,2,3]triazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A61"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-phenyl-imidazol-1-yl)-piperidin-1-yl]-propan-1-one
"A62"	(R)-1-{4-[2-(4-Chloro-phenyl)-imidazol-1-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A63"	(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-[4-(5-phenylimidazol-1-yl)-1-piperidyl]propan-1-one
"A64"	(2R)-1-[4-[5-(4-chlorophenyl)imidazol-1-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

"A65"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(3-phenyl-3H-imidazol-4-yl)-piperidin-1-yl]-propan-1-one
"A66"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(5-phenyl-pyrazol-1-yl)-piperidin-1-yl]-propan-1-one
"A67"	(R)-3,3,3-Trifluoro-1-{4-[1-(4-fluoro-phenyl)-1H-imidazol-2-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A68"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(1-p-tolyl-1H-imidazol-2-yl)-piperidin-1-yl]-propan-1-one
"A69"	(R)-1-{4-[1-(4-Chloro-phenyl)-1H-imidazol-2-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A70"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[1-(4-methoxy-phenyl)-1H-imidazol-2-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A71"	(R)-3,3,3-Trifluoro-1-{4-[4-(4-fluoro-phenyl)-4H-[1,2,4]triazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A72"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(4-phenyl-4H-[1,2,4]triazol-3-yl)-piperidin-1-yl]-propan-1-one
"A73"	(R)-1-{4-[4-(4-Chloro-phenyl)-4H-[1,2,4]triazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A74"	(R)-1-[4-(2-Cyclopropyl-2*H*-pyrazol-3-yl)-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A75"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(1-methyl-piperidin-4-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A76"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-(2-isobutyl-1*H*-pyrazol-3-yl)-1-piperidyl]-2-methyl-propan-1-one
"A77"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(2,2,2-trifluoro-ethyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A78"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-[2-(2-methoxyethyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-2-methyl-propan-1-one
"A79"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(6-methyl-pyridin-3-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one

"A80"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-[6-(trifluoro-methyl)-3-pyridyl]-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A81"	5-{5-[1-((R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-pyridine-2-carbonitrile
"A82"	(R)-1-[4-[2-(3,5-Difluoro-2-pyridyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A83"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(5-methyl-pyridin-2-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A84"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(5-trifluoro-methyl-pyridin-2-yl)-2H-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A85"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(1-methylpyrazol-4-yl)-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A86"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(4-methylthiazol-2-yl)-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A87"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(1H-imidazol-2-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A88"	(R)-3,3,3-Trifluoro-1-[4-[2-[2-fluoro-4-(trifluoromethyl)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A89"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-[2-(trifluoro-methyl)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A90"	(R)-3,3,3-Trifluoro-1-{4-[2-(4-fluoro-2-methoxy-phenyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A91"	3-Fluoro-4-[5-[1-[(R)-3,3,3-trifluoro-2-hydroxy-2-methyl-propanoyl]-4-piperidyl]-2*H*-pyrazol-1-yl]benzonitrile
"A92"	(R)-3,3,3-Trifluoro-1-[4-[2-[2-fluoro-4-(1-hydroxy-1-methyl-ethyl)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A93"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[2-(6-methoxy-pyridazin-3-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one

"A94"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-[2-(4-hydroxycyclohexyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-2-methyl-propan-1-one
"A95"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-[4-(trifluoro-methoxy)-phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]propan-1-one
"A96"	(R)-1-[4-[2-[4-(Difluoromethoxy)phenyl]-2*H*-pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A97"	(R)-1-{4-[2-(2,4-Difluoro-phenyl)-5-methyl-2*H*-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A98"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(5-methyl-2-phenyl-2*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A99"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(1-methyl-1*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A100"	(R)-1-{4-[2-(4-Chloro-3-fluoro-phenyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A101"	(R)-1-{4-[2-(3,4-Dichloro-phenyl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A102"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[1-(5-trifluoro-methyl-pyridin-2-yl)-1*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A103"	(R)-1-{4-[1-(5-Chloro-pyrimidin-2-yl)-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A104"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2*H*-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A105"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[1-(6-methoxy-pyridazin-3-yl)-1*H*-pyrazol-3-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A106"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[(3S,4S)-3-methyl-4-(2-phenyl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A107"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(4-fluoro-phenyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one

"A108"	(R)-3,3,3-Trifluoro-1-{(3R,4R)-4-[2-(4-fluoro-phenyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A109"	(R)-1-{4-[1-(3,5-Difluoro-pyridin-2-yl)-1H-pyrazol-3-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A110"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(4-methoxy-phenyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A111"	4-{5-[(3S,4S)-3-Methyl-1-((R)-3,3,3-trifluoro-2-hydroxy-2-methyl-propionyl)-piperidin-4-yl]-pyrazol-1-yl}-benzonitrile
"A112"	(2R)-1-[4-[2-(5-Fluoro-2-pyridyl)-2*H*-pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A113"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(6-methoxy-pyridin-3-yl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A114"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-(1-isobutyl-1*H*-pyrazol-3-yl)-piperidin-1-yl]-2-methyl-propan-1-one
"A115"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(5-methyl-isoxazol-3-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A116"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[2-(tetrahydro-pyran-4-yl)-2*H*-pyrazol-3-yl]-piperidin-1-yl}-propan-1-one
"A117"	(R)-1-[4-(2-Benzothiazol-2-yl-2H-pyrazol-3-yl)-piperidin-1-yl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A118"	(R)-3,3,3-Trifluoro-1-{(3S,4S)-4-[2-(5-fluoro-pyridin-2-yl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A119"	(R)-1-{(3S,4S)-4-[2-(4-Chloro-phenyl)-2H-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one

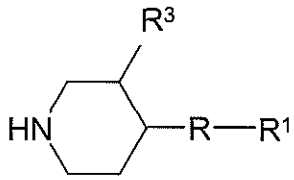
"A120"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{(3S,4S)-4-[2-(4-hydroxy-cyclohexyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-methyl-propan-1-one
"A121"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{(3S,4S)-4-[2-(4-hydroxy-cyclohexyl)-2*H*-pyrazol-3-yl]-3-methyl-piperidin-1-yl}-2-methyl-propan-1-one
"A122"	(R)-3,3,3-Trifluoro-2-hydroxy-1-[4-(2-isoxazol-3-yl-2*H*-pyrazol-3-yl)-piperidin-1-yl]-2-methyl-propan-1-one
"A123"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(2-pyridazin-3-yl-2H-pyrazol-3-yl)-piperidin-1-yl]-propan-1-one
"A124"	(R)-3,3,3-Trifluoro-1-{4-[3-(4-fluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A125"	(R)-1-{4-[3-(4-Chloro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A126"	(R)-1-{4-[3-(4-Chloro-2-fluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A127"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-{4-[3-(4-trifluoro-methyl-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-propan-1-one
"A128"	(R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-(3-phenyl-isoxazol-4-yl)-piperidin-1-yl]-propan-1-one
"A129"	(R)-3,3,3-Trifluoro-1-{4-[3-(4-fluoro-phenyl)-isoxazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A130"	(R)-1-{4-[3-(2,4-Difluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A131"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[3-(4-methoxy-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-methyl-propan-1-one
"A132"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A133"	(R)-3,3,3-Trifluoro-2-hydroxy-1-{4-[3-(6-methoxy-pyridin-3-yl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-methyl-propan-1-one

"A134"	(R)-3,3,3-Trifluoro-1-{4-[3-(2-fluoro-4-methoxy-phenyl)-3H-imidazol-4-yl]-piperidin-1-yl}-2-hydroxy-2-methyl-propan-1-one
"A135"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methyl-1,2,4-oxadiazol-3-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A136"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2-methylthiazol-5-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A137"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methyl-1,3,4-thiadiazol-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A138"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methyl-1,3,4-oxadiazol-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A139"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2-methylpyrimidin-5-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A140"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2-methylthiazol-4-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A141"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(5-methylpyrazin-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A142"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(1-methylimidazol-2-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A143"	(2R)-1-[4-[2-[4-(1,1-Difluoroethyl)phenyl]pyrazol-3-yl]-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A144"	(2R)-1-[(3S,4S)-4-[2-(3,5-Difluoro-2-pyridyl)pyrazol-3-yl]-3-methyl-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A145"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[(3S,4S)-3-methyl-4-[2-(1-methylpyrazol-4-yl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A146"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[4-[2-(2,2,2-trifluoro-1,1-dimethyl-ethyl)pyrazol-3-yl]-1-piperidyl]propan-1-one
"A147"	(2R)-3,3,3-Trifluoro-2-hydroxy-2-methyl-1-[(3S,4S)-3-methyl-4-[2-(2,2,2-trifluoro-1,1-dimethyl-ethyl)pyrazol-3-yl]-1-piperidyl]propan-1-one

"A148"	(2R)-3,3,3-Trifluoro-2-hydroxy-1-[(3S,4S)-4-[2-[4-(1-hydroxy-1-methyl-ethyl)phenyl]pyrazol-3-yl]-3-methyl-1-piperidyl]-2-methyl-propan-1-one
"A149"	(2R)-3,3,3-Trifluoro-1-[(3R,4S)-4-[3-(4-fluorophenyl)-1,2,4-triazol-4-yl]-3-methyl-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A150"	(2R)-1-[(3R,4S)-4-[3-(2,4-Difluorophenyl)-1,2,4-triazol-4-yl]-3-methyl-1-piperidyl]-3,3,3-trifluoro-2-hydroxy-2-methyl-propan-1-one
"A151"	(2R)-3,3,3-trifluoro-2-hydroxy-1-[4-[3-[4-(1-hydroxy-1-methyl-ethyl)phenyl]imidazol-4-yl]-1-piperidyl]-2-methyl-propan-1-one
"A152"	(2R)-3,3,3-Trifluoro-1-[(3S,4S)-4-[3-(4-fluorophenyl)imidazol-4-yl]-3-methyl-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A153"	(2R)-3,3,3-Trifluoro-1-[4-[3-(4-fluorophenyl)-2-methyl-imidazol-4-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A154"	(2R)-3,3,3-Trifluoro-1-[4-[3-(4-fluorophenyl)-2-(hydroxyl-methyl)imidazol-4-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one
"A155"	(2R)-3,3,3-trifluoro-1-[4-[3-(4-fluorophenyl)-2-methoxy-imidazol-4-yl]-1-piperidyl]-2-hydroxy-2-methyl-propan-1-one

and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

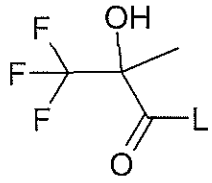
8. Process for the preparation of compounds of the formula I according to Claims 1-7 and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, characterised in that
a compound of the formula II



II

in which R, R^1 and R^3 have the meanings indicated in Claim 1,

is reacted with a compound of the formula III



III

in which L denotes Cl, Br, I or a free or reactively functionally modified OH group,

and/or
a base or acid of the formula I is converted into one of its salts.

9. Medicamentcomprising at least one compound of the formula I and/or pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, and optionally an pharmaceutically acceptable carrier, excipient or vehicle.

10. Use of a compound of the formula I and pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, for the manufacturing of a medicament for the treatment and/or prevention of cancer, diabetes, heart ischemia, insulin resistance syndrome, metabolic syndrome, hyperglycemia, dyslipidemia, atherosclerosis, cardiac failure, cardiomyopathy, myocardial ischemia,

hyperlactacidemia, mitochondrial disease, mitochondrial encephalomyopathy.

11. Use of a compound for the manufacturing of a medicament according to claim 10 wherein the medicament is for the treatment and/or prevention of diseases selected from the group cancer of head, neck, eye, mouth, throat, esophagus, bronchus, larynx, pharynx, chest, bone, lung, colon, rectum, stomach, prostate, urinary bladder, uterine, cervix, breast, ovaries, testicles or other reproductive organs, skin, thyroid, blood, lymph nodes, kidney, liver, pancreas, brain, central nervous system, solid tumors and blood-borne tumors.

12. Medicament comprising at least one compound of the formula I and/or pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, and at least one further medicament active ingredient.

13. Set (kit) consisting of separate packs of
(a) an effective amount of a compound of the formula I and/or pharmaceutically acceptable salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios,
and
(b) an effective amount of a further medicament active ingredient.