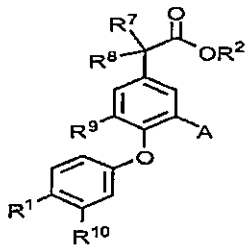
Claims

1 A compound of general formula (I):



(I)

or a salt thereof, wherein:

R^1 is Ar^1-L^1-W-L^2-;

L^2 is -$(CR^cR^d)_m$-;

W is -$CONR^{3a}$- or -$NR^{3b}CO$-;

R^{3a} and R^{3b} are each H or methyl;

L^1 is -$(CR^aR^b)_n$-, -(CH=CH)-, or -$O(CR^aR^b)$ provided that when W is -NR^3CO- then L^1 is not -(CH=CH)-;

n and m are independently 0, 1 or 2;

each R^a, R^b, R^c and R^d is independently H, F, OH, methyl or cyclopropyl, or R^aandR^b or R^c and R^d together with the carbon to which they are attached form a cyclopropyl ring;

Ar^1 is phenyl or naphthyl, each of which is unsubstituted or substituted with one or more substituents selected independently from F, Cl, CN, CF_3, CHF_2, CH_2F, SF_5, methyl, ethyl, cyclopropyl, t-butyl or OMe, or Ar^1 is 1,2,3,4-tetrahydronaphthyl which is unsubstituted or substituted by methoxy,

provided that when Ar^1 is naphthyl or 1,2,3,4-tetrahydronaphthyl then n is 0;

R^2 is H, C_1-C_6 alkyl, a residue of an amino acid or dipeptide, or $CHR^e(CH_2)_qR^f$;

q is 1 to 6;

R^e is H, methyl or ethyl;

R^f is NR^gR^h in which R^g and R^h each independently represents a hydrogen atom or a C_1-C_4 alkyl group, or R^g and R^h together with the nitrogen atom to which they are attached

form a 5-6 membered heterocyclic ring optionally containing a second ring heteroatom selected from N and O, wherein said heterocyclic ring is optionally substituted with one or more groups independently selected from C_1-C_6 alkyl;

A is CN, CH_2NH_2, $CH_2NR^{4a}C(=O)R^5$, or $CH_2NR^{4b}SO_2R^6$, Cl, OMe, (1-4C)alkyl, cyclopropyl, H, F, Br, CH_2NH(1-4C alkyl), CH_2N(1-4C alkyl)$_2$, thienyl, or phenyl which is unsubstituted or substituted with SO_2Me;

R^{4a} and R^{4b} are each H or methyl;

R^5 is C_1-C_6 alkyl, C_1-C_6 alkoxy, C_3-C_6 cycloalkyl, $hetAr^1$, or Ar^2;

R^6 is C_1-C_6 alkyl, NH(C_1-C_6 alkyl), N(C_1-C_6 alkyl)$_2$, Ar^3, or $hetAr^2$;

$hetAr^1$ is a 6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom and a group of formula $-NR^{5a}R^{5b}$ in which each of R^{5a} and R^{5b} independently represents a hydrogen atom or a (1-4C) alkyl group, or together with the nitrogen atom to which they are attached form a pyrrolidinyl, piperidinyl or morpholino group;

$hetAr^2$ is a 5-6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from C_1-C_4 alkyl;

Ar^2 is phenyl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom, CN, SF_5, cyclopropyl, a C_1-C_4 alkyl group, a C_1-C_4 alkoxy group and a fluoroC_1-C_4 alkyl group;

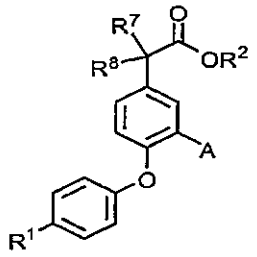
Ar^3 is as defined for Ar^2;

R^7 and R^8 are independently H, methyl, or F;

R^9 is H or methyl; and

R^{10} is H or F.

2. A compound of claim 1 having the formula Ia



Ia

wherein

R^1 is Ar^1-L^1-W-L^2-;

L^2 is -$(CR^cR^d)_m$-;

W is -$CONR^{3a}$- or -$NR^{3b}CO$-;

R^{3a} and R^{3b} are each H or methyl;

L^1 is -$(CR^aR^b)_n$-, -(CH=CH)-, or -$O(CR^aR^b)$-, provided that when W is -NR^3CO- then L^1 is not -(CH=CH)-;

n and m are independently 0, 1 or 2;

each R^a, R^b, R^c and R^d is independently H, F, methyl or cyclopropyl, or R^a and R^b or R^c and R^d together with the carbon to which they are attached form a cyclopropyl ring;

Ar^1 is phenyl or naphthyl, each of which is unsubstituted or substituted with one or more substituents selected independently from F, Cl, CN, CF_3, CHF_2, CH_2F, SF_5, methyl, ethyl and cyclopropyl, provided that when Ar^1 is naphthyl then n is 0;

R^2 is H, C_1-C_6 alkyl, a residue of an amino acid or dipeptide, or $CHR^e(CH_2)_qR^f$;

q is 1 to 6;

R^e is H, methyl or ethyl;

R^f is NR^gR^h in which R^g and R^h each independently represents a hydrogen atom or a C_1-C_4 alkyl group, or R^g and R^h together with the nitrogen atom to which they are attached form a 5-6 membered heterocyclic ring optionally containing a second ring heteroatom selected from N and O, wherein said heterocyclic ring is optionally substituted with one or more groups independently selected from C_1-C_6 alkyl;

A is CN, CH_2NH_2, $CH_2NR^{4a}C(=O)R^5$, $CH_2NR^{4b}SO_2R^6$, Cl, OMe, (1-4C)alkyl, or cyclopropyl;

R^{4a} and R^{4b} are each H or methyl;

R^5 is C_1-C_6 alkyl, C_1-C_6 alkoxy, C_3-C_6 cycloalkyl, $hetAr^1$, or Ar^2;

R^6 is C_1-C_6 alkyl, $NH(C_1$-C_6 alkyl), $N(C_1$-C_6 alkyl)$_2$, Ar^3, or $hetAr^2$;

$hetAr^1$ is a 6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom and a group of formula –$NR^{5a}R^{5b}$ in which each of R^{5a} and R^{5b} independently represents a hydrogen atom or a (1-4C) alkyl group, or

together with the nitrogen atom to which they are attached form a pyrrolidinyl, piperidinyl or morpholino group;

$hetAr^2$ is a 5-6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from C_1-C_4 alkyl;

Ar^2 is phenyl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom, a CN, SF_5, cyclopropyl, C_1-C_4 alkyl group, a C_1-C_4 alkoxy group and a fluoroC_1-C_4 alkyl group;

Ar^3 is as defined for Ar^2; and

R^7 and R^8 are independently H or methyl.

3. A compound according to claim 1 or 2, wherein -L^1-W-L^2- is selected from -CONH-, -CH_2CONH-, -CH_2CH_2CONH-, -CONHCH_2-, -CH_2CONHCH_2-, -NHCO-, -CH_2NHCO-, -NHCOCH_2-, -CH_2CH_2NHCO-, -CH_2NHCOCH_2-, -CH_2CH_2NHCOCH_2-, -CH_2N(CH_3)COCH_2-, cyclopropylideneCH_2NHCO, -CH_2ONHCO-, -CH(OH)CH_2NHCO- and -cyclopropylidineNHCO-.

4. A compound according to any of claims 1-3, wherein Ar^1 is a naphthyl group or a phenyl group that is unsubstituted or substituted by one or two substituents selected independently from F, Cl, CF_3, OMe, Me, and t-Bu, or a 1,2,3,4-tetrahydronaphthyl group which is unsubstituted or substituted with OMe.

5. A compound as claimed in claim 4, wherein Ar^1 is naphthyl, phenyl, 4-fluorophenyl, 3,4-difluorophenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 4-chloro-3-fluorophenyl, 3-chloro-4-fluorophenyl, 4-trifluoromethylphenyl, 3-fluoro-4-trifluoromethylphenyl, 3-trifluoromethylphenyl, 2,6-dichlorophenyl, 2,4-dichlorophenyl, 3-methoxyphenyl, 4-methoxyphenyl, 4-tertbutylphenyl, 3-fluorophenyl and 4-methylphenyl, 1,2,3,4-tetrahydronaphth-2-yl or 6-methoxy-1,2,3,4-tetrahydronaphth-2-yl.

6. The compound according to any of claims 1-5, wherein the 6 membered heteroaryl group in $hetAr^1$ is a pyridyl group and the 5-6 membered heteroaryl in $hetAr^2$ is an imidazolyl or pyridyl group.

7. A compound as claimed in claim 6, in which R^5 is C_1-C_6 alkyl; C_1-C_6 alkoxy; C_3-C_6 cycloalkyl; pyridyl which is unsubstituted or substituted by a halogen atom or a group of formula $-NR^{5a}R^{5b}$ in which each of R^{5a} and R^{5b} independently represents a hydrogen atom or a

(1-4C) alkyl group, or together with the nitrogen atom to which they are attached form a pyrrolidinyl, piperidinyl or morpholino group; or a phenyl group that is unsubstituted or substituted by one or two halogen atoms, and R^6 is C_1-C_6 alkyl, NH(C_1-C_6 alkyl), N(C_1-C_6 alkyl)$_2$, a phenyl group that is unsubstituted or substituted by one or two halogen atoms, pyridyl or imidazolyl that is unsubstituted or substituted with a C_1-C_3 alkyl group.

8. A compound as claimed in claim 7, in which R^5 is methyl, methoxy, cyclohexyl, pyrid-2-yl, pyrid-3-yl, pyrid-4-yl, 6-chloro-pyrid-3-yl, 6-amino-pyrid-3-yl, 6-pyrrolidin-1-ylpyrid-3-yl or 4-fluorophenyl and R^6 is methyl, dimethylamino, 4-fluorophenyl, 2,4-dichlorophenyl, pyrid-3-yl, 1-methylimidazol-5-yl, or 6-dimethylaminopyrid-3-yl.

9. A compound as claimed in claims1-5, in which A is selected fromcyano,acetamidomethyl, cyclohexylamidomethyl, methoxycarbonylaminomethyl, picolinamidomethyl, nicotinamidomethyl, isonicotinamidomethyl, 6-chloropyrid-3-ylamidomethyl, 6-aminopyrid-3-ylamidomethyl, 6-pyrrolidin-1-ylpyrid-3-ylamidomethyl, 4-fluorobenzamidomethyl, methylsulfonamidomethyl, N,N-dimethylsulfamoylamino, 4-fluorophenylsulfonamidomethyl, 2,4-dichlorophenylsulfonamidomethyl, 1-methylimidazol-5-ylsulfonamidomethyl, pyrid-3-ylsulfonamidomethyl, 6-dimethylaminopyrid-3-ylamidomethyl, 2-(4-fluorophenylsulfonamido)acetamidomethyl, dimethylaminomethyl, (N-methylmethylsulfonamido)methyl, H, F, Br, Cl, methyl, ethyl, cyclopropyl, CH_2NH_2, CH_2NMe_2, thienyl, phenyl, 3-methylsulfonylphenyl, and 4-methylsulfonylphenyl.

10. A compound as claimed in claim 9, in which A is selected from cyano, acetamidomethyl, cyclohexylamidomethyl, methoxycarbonylaminomethyl, picolinamidomethyl, nicotinamidomethyl, isonicotinamidomethyl, 4-fluorobenzamidomethyl, methylsulfonamidomethyl, N,N-dimethylsulfamoylamino, 4-fluorophenylsulfonamidomethyl, 2,4-dichlorophenylsulfonamidomethyl, pyrid-3-ylsulfonamidomethyl, 6-dimethylaminopyrid-3-ylamidomethyl, 2-(4-fluorophenylsulfonamido)acetamidomethyl, dimethylaminomethyl, (N-methylmethylsulfonamido)methyl, H, F, Br, Cl, methyl, ethyl, cyclopropyl, CH_2NH_2, CH_2NMe_2, thienyl, SO_2Me, phenyl, 3-methylsulfonylphenyl, and 4-methylsulfonylphenyl.

11. A compound as claimed in any one of claims 1 to 10, in which R^2 is hydrogen.

12. A compound as claimed in any one of claims 1 to 11, in which R^7 and R^8 are H.

13. A compound as claimed in any one of claims 1 or 3-12, in which R^9 is H.

14. A compound as claimed in any one of claims 1 or3-13, in which R^{10} is H.

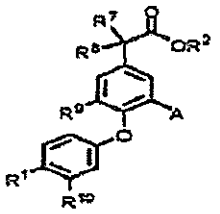
15. A pharmaceutical composition, which comprises a compound of formula (I) as defined in any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable diluent or carrier.

16. A compound of formula (I) as defined in any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, for use in therapy.

17. The use of a compound of formula (I) as defined in any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of an immunologic disorder.

CLAIMS

1. A compound of general formula (I):



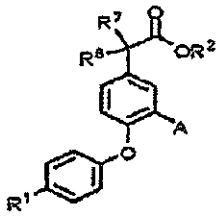
(I)

or a salt thereof, wherein:

R^1 is Ar^1-L^1-W-L^2-;
L^2 is -$(CR^cR^d)_m$-;
W is -$CONR^{3a}$- or -$NR^{3b}CO$-;
R^{3a} and R^{3b} are each H or methyl;
L^1 is -$(CR^aR^b)_n$-, -(CH=CH)-, or -$O(CR^aR^b)$ provided that when W is -NR^3CO- then L^1 is not -(CH=CH)-;
n and m are independently 0, 1 or 2;
each R^a, R^b, R^c and R^d is independently H, F, OH, methyl or cyclopropyl, or R^a and R^b or R^c and R^d together with the carbon to which they are attached form a cyclopropyl ring;
Ar^1 is phenyl or naphthyl, each of which is unsubstituted or substituted with once or more substituents selected independently from F, Cl, CN, CF_3, CHF_2, CH_2F, SF_5, methyl, ethyl, cyclopropyl, t-butyl or OMe, or Ar^1 is 1,2,3,4-tetrahydronaphthyl which is unsubstituted or substituted by methoxy,

provided that when Ar^1 is naphthyl or 1,2,3,4-tetrahydronaphthyl then n is 0;
R^2 is H, C_1-C_6 alkyl, a residue of an amino acid or dipeptide, or $CHR^c(CH_2)_qR^f$;
q is 1 to 6;
R^c is H, methyl or ethyl;
R^f is NR^gR^h in which R^g and R^h each independently represents a hydrogen atom or a C_1-C_4 alkyl group, or R^g and R^h together with the nitrogen atom to which they are attached form a 5-6 membered heterocyclic ring optionally containing a second ring heteroatom selected from N and O, wherein said heterocyclic ring is optionally substituted with one or more groups independently selected from C_1-C_6 alkyl;
A is CN, CH_2NH_2, $CH_2NR^{4a}C(=O)R^5$, or $CH_2NR^{4b}SO_2R^6$, Cl, OMe, (1-4C)alkyl, cyclopropyl, H, F, Br, CH_2NH(1-4C alkyle), CH_2N(1-4C alkyl)$_2$, thienyl, or phenyl which is unsubstituted or substituted with SO_2Me;
R^{4a} and R^{4b} are each H or methyl;
R^5 is C_1-C6 alkyl, C_1-C_6 alkoxy, C_3-C_6 cycloalkyl, $hetAr^1$, or Ar^2;
R^6 is C_1-C_6 alkyl, $NH(C_1$-C_6 alkyl), $N(C_1$-C_6 alkyl)$_2$, Ar^3, or $hetAr^2$;
$hetAr^1$ is a 6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom and a group of formula -$NR^{5a}R^{5b}$ in which each of R^{5a} and R^{5b} independently represents a hydrogen atom or a (1-4C) alkyl group, or together with the nitrogen atom to which they are attached form a pyrrolidinyl, piperidinyl or morpholino group;
$hetAr^2$ is a 5-6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from C_1-C_4 alkyl;
Ar^2 is phenyl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom, CN, SF_5, cyclopropyl, a C_1-C_4 alkyl group, a C_1-C_4 alkoxy group and a fluoroC_1-C_4 alkyl group;
Ar^3 is as defined for Ar^2;
R^7 and R^8 are independently H, methyl, or F;
R^9 is H or methyl; and
R^{10} is H or F.

2. A compound of claim 1 having the formula Ia



Ia

wherein
R^1 is Ar^1-L^1-W-L^2-;
L^2 is -$(CR^cR^d)_m$-;
W is -$CONR^{3a}$- or -$NR^{3b}CO$-;
R^{3a} and R^{3b} are each H or methyl;
L^1 is -$(CR^aR^b)_a$-, -(CH=CH)-, or -$O(CR^aR^b)$-, provided that when W is -NR^3CO- then L^1 is not -(CH=CH)-;
n and m are independently 0, 1 or 2;
each R^a, R^b, R^c and R^d is independently H, F, methyl or cyclopropyl, or R^a and R^b or R^c and R^d together with the carbon to which they are attached form a cyclopropyl ring;
Ar^1 is phenyl or naphthyl, each of which is unsubstituted or substituted with one or more substituents selected independently from F, Cl, CN, CF_3, CHF_2, CH_2F, SF_5, methyl, ethyl and cyclopropyl, provided that when Ar^1 is naphthyl then n is 0;
R^2 is H, C_1-C_6 alkyl, a residue of an amino acid or dipeptide, or $CHR^c(CH_2)_qR^f$;
q is 1 to 6;
R^c is H, methyl or ethyl;
R^f is NR^gR^h in which R^g and R^h each independently represents a hydrogen atom or a C_1-C_4 alkyl group, or R^g and R^h together with the nitrogen atom to which they are attached form a 5-6 membered heterocyclic ring optionally containing a second ring heteroatom selected from N and O, wherein said heterocyclic ring is optionally substituted with one or more groups independently selected from C_1-C_6 alkyl ;
A is CN, CH_2NH_2, $CH_2NR^{4a}C(=O)R^5$, $CH_2NR^{4b}SO_2R^6$, Cl, OMc, (1-4C)alkyl, or cyclopropyl;
R^{4a} and R^{4b} are each H or methyl;
R^5 is C_1-C_6 alkyl, C_1-C_6 alkoxy, C_3-C_6 cycloalkyl, $hetAr^1$, or Ar^2;
R^6 is C_1-C_6 alkyl, $NH(C_1$-C_6 alkyl), $N(C_1$-C_6 alkyl)$_2$, Ar^3, or $hetAr^2$;
$hetAr^1$ is a 6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom and a group of formula -$NR^{5a}R^{5b}$ in which each of R^{5a} and R^{5b} independently represents a hydrogen atom or a (1-4C) alkyl group, or together with the nitrogen atom to which they are attached form a pyrrolidinyl, piperidinyl or morpholino group;
$hetAr^2$ is a 5-6 membered heteroaryl which is unsubstituted or substituted with one or more groups independently selected from C_1-C_4 alkyl;
Ar^2 is phenyl which is unsubstituted or substituted with one or more groups independently selected from a halogen atom, a CN, SF_5, cyclopropyl, C_1-C_4 alkyl group, a C_1-C_4 alkoxy group and a fluoroC_1-C_4 alkyl group;
Ar^3 is as defined for Ar^2; and
R^7 and R^8 are independently H or methyl.

3. A compound according to claim 1, wherein -L^1-W-L^2- is selected from -CONH-, -CH_2CONH-, -CH_2CH_2CONH-, -$CONHCH_2$-, -$CH_2CONHCH_2$-, -NHCO-, -CH_2NHCO-, -$NHCOCH_2$-. -CH_2CH_2NHCO-, -$CH_2NHCOCH_2$-, -$CH_2CH_2NHCOCH_2$-, -$CH_2N(CH)COCH_2$-, cyclopropylideneCH$_2$NHCO, -CH_2ONHCO-, -CH(OH)CH_2NHCO- and -cyclopropylidineNHCO-.

4. A compound according to any of claims 1 or 3, wherein Ar' is a naphthyl group or a phenyl group that is unsubstituted or substituted by one or two substituents selected independently from. F, Cl, CF_3, OMe, Me, and t-Bu, or a 1,2,3,4-tetrahydronaphthyl group which is unsubstituted or substituted with OMe.

5. A compound as claimed in claim 4, wherein Ar^1 is naphthyl, phenyl, 4-fluorophenyl, 3,4-difluorophenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 3,4-dichlorophenyl, 4-chloro-3-fluorophenyl, 3-chloro-4-fluorophenyl, 4-trifluoromethylphenyl, 3-fluoro-4-fluoromethylphenyl, 3-trifluoromethylphenyl, 2,6-dichlorophenyl, 2,4-dichlorophenyl, 3-methoxyphenyl, 4-methoxyphenyl, 4-tertbutylphenyl, 3-fluorophenyl and 4-methylphenyl, 1,2,3,4-tetrahydronaphth-2-yl or 6-methoxy-1 ,2,3,4-tetrahydronaphth-2-yl.

6. The compound according to any of claims 1-5, wherein the 6 membered heteroaryl group in $hetAr^1$ is a pyridyl group and the 5-6 membered heteroaryl in $hetAr^2$ is an imidazolyl or pyridyl group.

7. A compound as claimed in claim 6, in which R^5 is C_1-C_6 alkyl; C_1-C_6, alkoxy; C_3-C_6 cycloalkyl; pyridyl which is unsubstituted or substituted by a halogen atom or a group of formula $-NR^{5a}R^{5b}$ in which each of R^{5a} and R^{5b} independently represents a hydrogen atom or a (1-4C) alkyl group, or together with the nitrogen atom to which they are attached form a pyrrolidinyl, piperidinyl or morpholino group; or a phenyl group that is unsubstituted or substituted by one or two halogen atoms, and R^6 is C_1-C_6 alkyl, $NH(C_1$-C_6 alkyl). $N(C_1$-C_6 alkyl$)_2$, is phenyl group that is unsubstituted or substituted by one or two halogen atoms, pyridyl or imidazolyl that is unsubstituted or substituted with a C_1-C_3 alkyl group.

8. A compound as claimed in claim 7, in which R^5 is methyl, methoxy, cyclohexyl, pyrid-2-yl, pyrid-3-yl, pyrid-4-yl, 6-chloro-pyrid-3-yl, 6-amino-pyrid-3-yl, 6-pyrrolidin-1-ylpyrid-3-yl or 4-fluorophenyl and R^6 is methyl, dimethylamino, 4-fluorophenyl, 2,4-dichlorophenyl, pyrid-3-yl, 1-methylimidazol-5-yl, or 6-dimethylaminopyrid-3-yl.

9. A compound as claimed in claims 1 or 3-5, in which A is selected from cyano, acetamidomethyl, cyclohexylamidomethyl, methoxycarbonylaminomethy), picolinamidomethyl, nicotinamidomethyl, isonicotinamidomethyl, 6-chloropyrid-3-ylamidomethyl, 6-aminopyrid-3-ylamidomethyl, 6-pyrrolidin-1-ylpyrid-3-ylamidomethyl, 4-fluorobenzamidomethyl, methylsulfonamidomethyl, N,N-dimethylsulfamoylamino, 4-fluorophenylsulfonamidomethyl, 2,4-dichlorophenylsulfononamidomethyl, 1-methylimidazol-5-ylsulfonamidomethyl, pyrid-3-ylsulfonamidomethyl, 6-dimethylaminopyrid-3-ylamidomethyl, 2-(4-fluorophenylsulfonamido) acetamidomethyl, dimethylaminomethyl, (N-methylmethylsulfonamido)methyl, H, F, Br, Cl, methyl, ethyl, cyclopropyl, CH_2NH_2, CH_2NMe_2, thienyl, phenyl, 3-methylsulfonylphenyl, and 4-methylsulfonylphenyl.

10. A compound as claimed in claim 9, in which A is selected from cyano, acetamidomethyl, cycloheaylamidomethyl, methoxycarbonylaminomethyl, picolinamidomethyl, nicotinamidomethyl, isonicotinamidomethyl, 4-fluorobenzamidomethyl, methylsulfonamidomethyl, N,N-dimethylsulfamoylamino, 4-fluorophenylsulfonamidomethyl, 2,4-dichlorophenylsulfonamidomethyl, pyrid-3-ylsulfonamidomethyl, 6-dimethylaminopyrid-3-ylamidomethyl, 2-(4-fluorophenylsulfonamido)acetamidomethyl, dimethylaminomethyl, (N-methylmethylsulfonamido)methyl. H, F, Br, Cl, methyl, ethyl, cyclopropyl, CH_2NH_2, CH_2NMe_2, thienyl, SO_2Mc, phenyl, 3-methylsulfonylphenyl, and 4-methylsulfonylphenyl.

11. A compound as claimed in any one of claims 1 to 10, in which R^2 is hydrogen.

12. A compound as claimed in any one of claims I to 11, in which R^7 and R^8 arc H.

13. A compound as claimed in any one of claims 1 or 3-12, in which R^9 is H

14. A compound as claimed in any one of claims 1 or 3-13, in which R^{10} is H.

15. A pharmaceutical composition, which comprises a compound of formula (I) as defined in any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable diluent or carrier.

16. A compound of formula (I) as defined in any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, for use in therapy.

17. The use of a compound of formula (I) as defined in any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of an immunologic disorder.