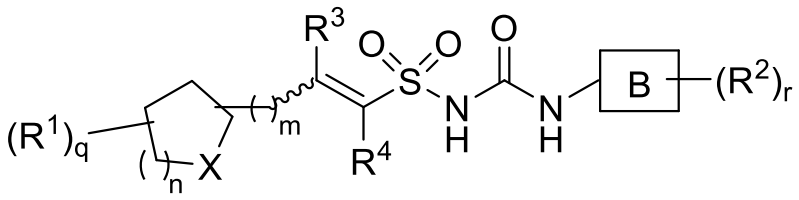
We claim:

1. Compound having the structure of general formula (**I**)



Formula (I)

their tautomeric forms, their stereoisomers, their enantiomers, their pharmaceutically acceptable salts, and pharmaceutical compositions containing them wherein,

R^1 at each occurrence is independently selected from hydrogen, halogen, haloalkyl, cyano, optionally substituted groups selected from $(C_1\text{-}C_6)$alkyl,

X is N-R^5;

R^5 at each occurrence is independently selected from hydrogen, halogen, haloalkyl, cyano, optionally substituted groups selected from $(C_1\text{-}C_6)$alkyl, $(C_1\text{-}C_6)$haloalkyl, $(C_2\text{-}C_6)$alkenyl, $(C_2\text{-}C_6)$alkynyl, $(C_1\text{-}C_6)$alkoxy, $(C_3\text{-}C_7)$cycloalkyl, $(C_1\text{-}C_6)$alkyl$SO_2(C_1\text{-}C_6)$alkyl, $(C_1\text{-}C_6)$alkylN$(C_1\text{-}C_6)$alkyl, $(C_1\text{-}C_6)$alkylN$(C_3\text{-}C_7)$cycloalkyl, aryl, heteroaryl, heterocyclyl, benzyl, tert-butyloxycarbonyl, thiol, mercaptoalkyl, $SO_2(C_1\text{-}C_6)$alkyl, $SO_2(C_3\text{-}C_7)$cycloalkyl, SO_2-aryl, SO_2-heterocyclyl, $(C_1\text{-}C_6)$thioalkyl, $(C_1\text{-}C_6)$thioalkoxy, $(C_1\text{-}C_6)$alkylSO_2NH_2, -$CONH_2$, -CO$(C_1\text{-}C_6)$alkyl, -CO$(C_1\text{-}C_6)$haloalkyl, -CO-aryl, -CO-heteroaryl, -CO-heterocyclyl, 4- to 7-membered heterocyclic ring, 7- to 14-membered bicyclic heterocyclic ring system, bridged or spiro ring system having optionally one or more than one heteroatoms;

m and n is independently selected from integer 0-3;

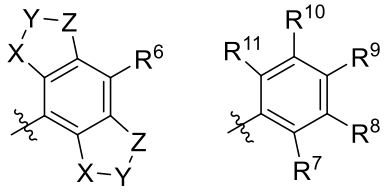
q is independently selected from integer 1;

r is 1;

R^2 is hydrogen;

Each of R^3 and R^4 at each occurrence is independently selected from hydrogen, halogen, haloalkyl, optionally substituted groups selected from $(C_1\text{-}C_6)$alkyl,

'-B-$(R^2)_r$' is selected from the following ring system



wherein X, Y, Z at each occurrence is independently selected from C,

Each of R^6, R^7, R^8, R^9, R^{10} and R^{11} at each occurrence are independently selected from hydrogen, halogen, optionally substituted groups selected from (C_1-C_6)alkyl.

2. The compound as claimed in any preceding claim, wherein when any of the above group is substituted, the substitutions are selected from hydrogen, hydroxy, cyano, halo, haloalkyl, haloalkyloxy, alkylthio (C_1-C_6)alkyl, (C_2-C_6)alkenyl, (C_2-C_6)alkynyl, (C_3-C_7)cycloalkyl, C_1-C_6 alkoxy, aryl, heterocyclyl, heteroaryl, -COR_{12}, -CSR_{12}, C(O)OR_{12}, C(O)-R_{12}, -C(O)-$NR_{12}R_{13}$, -C(S)-$NR_{12}R_{13}$, -SO_2R_{12} group, wherein each of R_{12} and R_{13} is independently selected from hydrogen, optionally substituted group selected from (C_1-C_6)alkyl, (C_2-C_6)alkenyl, (C_2-C_6)alkynyl, (C_3-C_7)cycloalkyl, aryl, heteroaryl, heterocyclyl groups.

3. A compound as claimed in claim 1 selected from the group comprising of:

(R,E)-2-(1-ethylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-ethanesulfonamide;

(S,E)-2-(1-ethylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-ethanesulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-propylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-2-(1-(cyclopropylmethyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-methylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(methylsulfonyl)-pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-2-(1-acetylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-ethene-1-sulfonamide;

(E)-2-(1-benzylpiperidin-4-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-ethanesulfonamide;

tert-butyl(R,E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl)-vinyl)pyrrolidine-1-carboxylate;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(2-methoxyethyl)pyrrolidin-2-yl)ethenesulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(isopropylsulfonyl)pyrrolidin-2-yl)ethenesulfonamide;

(R,E)-2-(1-((3-fluorophenyl)sulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(pyrazine-2-carbonyl)pyrrolidin-2-yl)ethenesulfonamide;

(R,E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)pyrrolidine-1-carboxamide;

(R,E)-2-(1-(cyclopropanecarbonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(2,2,2-trifluoroacetyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(2-(methylthio)ethyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(2,2,2-trifluoroethyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-isobutylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-2-(1-(ethylsulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-isopropylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(3-(methylsulfonyl)propyl)pyrrolidin-2-yl)ethenesulfonamide;

(R,E)-2-(1-benzoylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(R,E)-N-((2-(1-benzoylpyrrolidin-2-yl)vinyl)sulfonyl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)benzamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethenesulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(thiophene-3-carbonyl)pyrrolidin-2-yl)ethenesulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-1-sulfonamide methane sulfonate;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-1-sulfonamide maleate;

(R,Z)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-3-(pyrrolidin-2-yl)prop-1-ene-1-sulfonamide;

(R,E)-2-(1-(cyclohexylsulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,Z)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-methylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-2-(1-(cyclohexylmethyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-2-(1-cyclohexylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(1-methylpiperidin-4-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,Z)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-isopropylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(tetrahydro-2H-pyran-4-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(oxetan-3-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(tetrahydro-2H-thiopyran-4-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(thiazol-2-ylmethyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(piperidin-4-yl)ethenesulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-methylpiperidin-4-yl)ethenesulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(methylsulfonyl)piperidin-4-yl)ethenesulfonamide;

(E)-2-(1-acetylpiperidin-4-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-sulfonamide;

tert-butyl (E)-4-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl)vinyl)-piperidine-1-carboxylate;

(E)-2-(1-ethylpiperidin-4-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-2-(1-ethylpyrrolidin-3-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-ethenesulfonamide;

(R,E)-1,1-diethyl-3-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)-vinyl)pyrrolidin-1-iumbromide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-3-yl)ethene-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide;

tert-butyl (R,E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl)vinyl)-2-methylpyrrolidine-1-carboxylate;

(R,E)-2-(1-acetyl-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-1,1-diethyl-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)-vinyl)-2-methylpyrrolidin-1-ium bromide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methyl-1-(methylsulfonyl)-pyrrolidin-2-yl)ethene-1-sulfonamide;:

(R,E)-2-(1,2-dimethylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-2-(1-ethyl-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-2-(1-(cyclopropylmethyl)-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-methylpyrrolidin-2-yl)ethenesulfonamide;

(S,E)-tert-butyl2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl) vinyl)pyrrolidine-1-carboxylate;

(S,E)-2-(1-(cyclopropylmethyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(pyridin-3-ylsulfonyl)-pyrrolidin-2-yl)ethenesulfonamide;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(pyrrolidin-2-yl)ethenesulfonamide;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(1-ethylpyrrolidin-2-yl)ethenesulfonamide;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(1-(methylsulfonyl) pyrrolidin-2-yl)ethene-sulfonamide;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(1-methylpyrrolidin-2-yl)ethenesulfonamide;

(S,E)-2-(1-acetylpyrrolidin-2-yl)-N-((2,6-diisopropylphenyl) carbamoyl)ethenesulfonamide;

(S,E)-2-(1-acetylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-ethenesulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(tetrahydro-2H-pyran-4-carbonyl)pyrrolidin-2-yl)ethenesulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(tetrahydro-2H-pyran-4-yl)ethenesulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-nicotinoylpyrrolidin-2-yl)ethenesulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(tetrahydrofuran-2-yl)ethene-1-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(thiophen-2-ylmethyl)-pyrrolidin-2-yl)ethene-1-sulfonamide;

tert-butyl(S,E)-2-(2-(N-((4-fluoro-2,6-diisopropylphenyl)carbamoyl) sulfamoyl) vinyl)-pyrrolidine-1-carboxylate;

(S,E)-N-((4-fluoro-2,6-diisopropylphenyl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-N-((4-fluoro-2,6-diisopropylphenyl)carbamoyl)-2-(1-methylpyrrolidin-2-yl) ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-isobutyl-2-methyl-pyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methyl-1-propylpyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(thiazol-2-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(piperidin-3-yl)ethene-sulfonamide;

(E)-2-(1-ethylpiperidin-3-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-sulfonamide;

(E)-tert-butyl 3-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl)vinyl)-piperidine-1-carboxylate;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1- (methylsulfonyl) piperidin-3-yl)ethenesulfonamide;

(E)-2-(1-acetylpiperidin-3-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-sulfonamide;

tert-butyl(E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-azetidine-1-carboxylate;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-methylazetidin-2-yl)ethene-1-sulfonamide;

(E)-2-(azetidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(tetrahydro-2H-pyran-4-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-2-(1-((5-chlorothiophen-2-yl)sulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(S,E)-2-(1-(benzylsulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-((4-methoxyphenyl)sulfonyl) pyrrolidin-2-yl)ethenesulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-((4-fluorophenyl)sulfonyl) pyrrolidin-2-yl)ethenesulfonamide;

(S,E)-2-(1-((2-cyanophenyl)sulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(S,E)-2-(1-(cyclohexylsulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(S,E)-2-(1-(4-fluorobenzyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethenesulfonamide;

(S,E)-2-(1-((4-cyanophenyl)sulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-2-(1-(4-cyanobenzyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)-2-(pyrrolidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(piperidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-methylpiperidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)-2-(1-methylpyrrolidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)-2-(1-(methylsulfonyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

((E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-3-(piperidin-2-yl)prop-1-ene-1-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-2-(1,2-dimethylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(indolin-2-yl)ethene-1-sulfonamide;

tert-butyl(E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl) vinyl)indoline-1-carboxylate;

((S,E)-2-(1-(cyclopropylmethyl)-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-2-(1-(cyclopropylsulfonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

tert-butyl (S,E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl) sulfamoyl)vinyl)-2-methylpyrrolidine-1-carboxylate;

tert-butyl (R,E)-2-(2-(N-((2,6-diisopropylphenyl)carbamoyl) sulfamoyl) vinyl)-2-methylpyrrolidine-1-carboxylate;

(R,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(R,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(1,2-dimethylpyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-2-(1-ethyl-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

Bis sodium (R,E)-((2-(1,2-dimethylpyrrolidin-2-yl)vinyl)sulfonyl)((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)amide;

Sodium (R,E)-((2-(1,2-dimethylpyrrolidin-2-yl)vinyl)sulfonyl)((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)amide;

tert-butyl (S,E)-2-(2-(N-((2,6-diisopropylphenyl)carbamoyl)sulfamoyl) vinyl)-2-methylpyrrolidine-1-carboxylate;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(1,2-dimethylpyrrolidin-2-yl)ethene-1-sulfonamide;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methyl-1-(oxetan-3-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

tert-butyl (S,E)-2-(2-(N-((4-fluoro-2,6-diisopropylphenyl)carbamoyl) sulfamoyl)vinyl)-2-methylpyrrolidine-1-carboxylate;

(S,E)-N-((4-fluoro-2,6-diisopropylphenyl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(S,E)-2-(1,2-dimethylpyrrolidin-2-yl)-N-((4-fluoro-2,6-diisopropylphenyl)carbamoyl)ethene-1-sulfonamide;

(E)-2-(1-acetylazetidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

tert-butyl (R,E)-(2-(2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)pyrrolidin-1-yl)ethyl)(methyl)carbamate;

(S,E)-2-(1-allylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-2-(1-(1H-benzo[d]imidazole-6-carbonyl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-2-(1-(cyclopropylsulfonyl)-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(4-methoxybenzyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

tert-butyl 5-((R)-2-((E)-2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl) carbamoyl)sulfamoyl)vinyl)pyrrolidin-1-yl)hexahydrocyclopenta[c]pyrrole-2(1H)-carboxylate;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-((2R)-1-(octahydrocyclopenta[c]pyrrol-5-yl)pyrrolidin-2-yl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(E)-2-(1-(cyclopropylsulfonyl)azetidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(S,E)-N-((2,6-diisopropylphenyl)carbamoyl)-2-(1-(thiazol-2-yl)pyrrolidin-2-yl)ethene-1-sulfonamide;

tert-butyl (S,E)-(2-(2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylpyrrolidin-1-yl)ethyl)(methyl)carbamate;

potassium (R,E)-((2-(1,2-dimethylpyrrolidin-2-yl)vinyl)sulfonyl)((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)amide;

tert-butyl (E)-(2-(2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)azetidin-1-yl)ethyl)(methyl)carbamate;

(S,E)-2-(1-(cyclohexylmethyl)-2-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

Sodium (R,E)-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)((2-(1-(tetrahydro-2H-thiopyran-4-yl)pyrrolidin-2-yl)vinyl)sulfonyl)amide;

sodium (R,E)-((2-(1-cyclohexylpyrrolidin-2-yl)vinyl)sulfonyl)((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)amide;

sodium (S,E)-((2,6-diisopropylphenyl)carbamoyl)((2-(1,2-dimethylpyrrolidin-2-yl)vinyl)sulfonyl)amide;

sodium (R,E)-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)((2-(1-methylpyrrolidin-2-yl)vinyl)sulfonyl)amide;

potassium (R,E)-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)((2-(1-methylpyrrolidin-2-yl)vinyl)sulfonyl)amide;

sodium (S,E)-((2-(1,2-dimethylpyrrolidin-2-yl)vinyl)sulfonyl)((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)amide;

sodium (S,E)-((2-(1-ethylpyrrolidin-2-yl)vinyl)sulfonyl)((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)amide;

(S,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(2-hydroxyethyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

tert-butyl (E)-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylazetidine-1-carboxylate;

(E)-2-(1,2-dimethylazetidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

tert-butyl (S,E)-2-ethyl-2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)pyrrolidine-1-carboxylate;

tert-butyl (S,E)-2-(2-(N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylpyrrolidine-1-carboxylate;

(S,E)-2-(2-ethylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(S,E)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(S,E)-2-(1,2-dimethylpyrrolidin-2-yl)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

tert-butyl (R,E)-2-(2-(N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylpyrrolidine-1-carboxylate;

(R,E)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)-2-(2-methylpyrrolidin-2-yl)ethene-1-sulfonamide 2,2,2-trifluoroacetate;

(R,E)-2-(1,2-dimethylpyrrolidin-2-yl)-N-((1,2,3,6,7,8-hexahydro-as-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

tert-butyl (R,E)-2-(3-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)allyl)-2-methylpyrrolidine-1-carboxylate;

tert-butyl (R,E)-(2-(2-(3-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)allyl)-2-methylpyrrolidin-1-yl)ethyl)(methyl)carbamate;

(R,E)-3-(1,2-dimethylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)prop-1-ene-1-sulfonamide;

tert-butyl (S,E)-(3-(2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)pyrrolidin-1-yl)propyl)(methyl)carbamate;

tert-butyl (E)-(3-(2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylazetidin-1-yl)propyl)(methyl)carbamate;

tert-butyl (E)-(2-(2-(2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylazetidin-1-yl)ethyl)(methyl)carbamate;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methyl-1-(2-(methylthio)ethyl)azetidin-2-yl)ethene-1-sulfonamide;

(E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(2-methyl-1-(oxetan-3-yl)azetidin-2-yl)ethene-1-sulfonamide;

tert-butyl (S)-2-(((S)-2-((E)-2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylazetidin-1-yl)methyl)-2-methylpyrrolidine-1-carboxylate;

tert-butyl (S)-2-(((R)-2-((E)-2-(N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)sulfamoyl)vinyl)-2-methylazetidin-1-yl)methyl)-2-methylpyrrolidine-1-carboxylate;

(R,E)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)-2-(1-(2-sulfamoylethyl)pyrrolidin-2-yl)ethene-1-sulfonamide;

(S,E)-2-(2-ethyl-1-methylpyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

(R,E)-2-(1-(but-2-yn-1-yl)pyrrolidin-2-yl)-N-((1,2,3,5,6,7-hexahydro-s-indacen-4-yl)carbamoyl)ethene-1-sulfonamide;

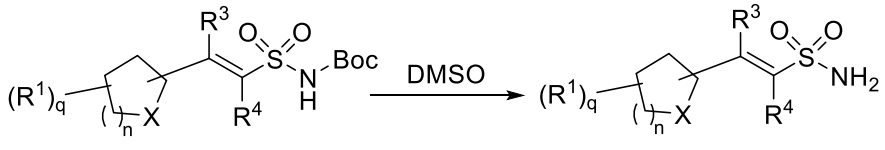
4. A pharmaceutical composition comprising a therapeutically effective amount of a compound of Formula (**I**) as claimed in any of the preceding claims and optionally one or more pharmaceutically acceptable carriers, diluents or excipients.

5. A compound of Formula (**I**) as claimed in any of the preceding claims or its suitable pharmaceutical composition for use in therapy.

6. The pharmaceutical composition as claimed in claim 4 in combination with one or more suitable pharmaceutically active agents selected from Inhibitors of interleukin-1β; immune-suppressants; metabolic disorders drugs, glucocorticoids, non-steroidal anti-inflammatory drugs, COX-2 specific inhibitors, anti-inflammatory drugs, TNF-α binding proteins, interferon-13, interferon, interleukin-2, antihistamines, beta-agonist, BTK inhibitors, anticolinergics, anti-cancer agents or their suitable pharmaceutically acceptable salts, Non-Alcoholic Steato-Hepatitis (NASH) and fibrosis drugs, anticancer drugs, antibiotics, hormones, aromatase inhibitors, inhibitors of mitogen-activated protein kinase signaling, Syk inhibitors, mTOR inhibitors, and BCR/ABL antagonists.

7. A process for the preparation of compound of formula (I) with m=0 as claimed in any preceding claim, comprising the following steps:

(i) reacting compound of formula (5) with DMSO where all symbols are as defined in claim 1, except that m is 0, to obtain compound of formula (6)



5 **6**

(ii) reacting compound of formula (6) with isocyanato derivative of compound of formula (7) where all symbols are as defined in claim 1, except that m is 0, to obtain compound of formula (I)

