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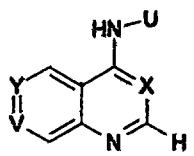
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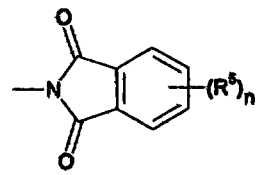
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(54) Title: BICYCLIC HETEROAROMATIC COMPOUNDS AS PROTEIN TYROSINE KINASE INHIBITORS



(I)



(a)

(57) Abstract

Substituted heteroaromatic compounds of formula (I), wherein X is N or CH; Y is CR^1 and V is N; or Y is N and V is CR^1; or Y is CR^1 and V is CR^2; or Y is CR^2 and V is CR^1; R^1 represents a group $CH_3SO_2CH_2CH_2NHCH_2$–Ar–, wherein Ar is selected from phenyl, furan, thiophene, pyrrole and thiazole, each of which may optionally be substituted by one or two halo, C_{1-4}alkyl or C_{1-4}alkoxy groups; R^2 is selected from the group comprising hydrogen, halo, hydroxy, C_{1-4}alkyl, C_{1-4}alkoxy, C_{1-4}alkylamino and di[C_{1-4}alkyl]amino; U represents a phenyl, pyridyl, 3H–imidazolyl, indolyl, isoindolyl, indolinyl, isoindolinyl, 1H–indazolyl, 2,3–dihydro–1H–indazolyl, 1H–benzimidazolyl, 2,3–dihydro–1H–benzimidazolyl or 1H–benzotriazolyl group, substituted by an R^3 group and optionally substituted by at least one independently selected R^4 group; R^3 is selected from a group comprising benzyl, halo–, dihalo– and trihalobenzyl, benzoyl, pyridylmethyl, pyridylmethoxy, phenoxy, benzyloxy, halo–, dihalo– and trihalobenzyloxy and benzenesulphonyl, or R^3 represents trihalomethylbenzyl or trihalomethylbenzyloxy; or R^3 represents a group of formula (a) wherein each R^5 is independently selected from halogen, C_{1-4}alkyl, C_{1-4}alkoxy; and n is 0 to 3; each R^4 is independently hydroxy, halogen, C_{1-4}alkyl, C_{2-4}alkenyl, C_{2-4}alkynyl, C_{1-4}alkoxy, amino, C_{1-4}alkylamino, di[C_{1-4}alkyl]amino, C_{1-4}alkylthio, C_{1-4}alkylsulphinyl, C_{1-4}alkylsulphonyl, C_{1-4}alkylcarbonyl, carboxy, carbamoyl, C_{1-4}alkoxycarbonyl, C_{1-4}alkanoylamino, N–(C_{1-4}alkyl)carbamoyl, N,N–di(C_{1-4}alkyl)carbamoyl, cyano, nitro and trifluoromethyl; and salts and solvates thereof, are disclosed, as are methods for their preparation, pharmaceutical compositions containing them and their use in medicine.