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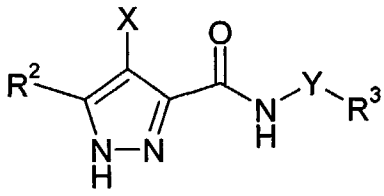
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[Continued on next page]

(54) Title: 3, 4-DISUBSTITUTED 1H-PYRAZOLE COMPOUNDS AND THEIR USE AS CYCLIN DEPENDENT KINASES (CDK) AND GLYCOGEN SYNTHASE KINASE-3 (GSK-3) MODULATORS



(0)

(57) Abstract: The invention provides compounds of the formula (0) or salts or tautomers or N-oxides or solvates thereof for use in the prophylaxis or treatment of disease states and conditions such as cancers mediated by cyclin-dependent kinase and glycogen synthase kinase-3. Formula (0). In formula (0): X is a group R^1-A-NR^4- or a 5- or 6-membered carbocyclic or heterocyclic ring; A is a bond, SO_2, C=O, NR^g(C=O) or O(C=O) wherein R^g is hydrogen or C_{1-4} hydrocarbyl optionally substituted by hydroxy or C_{1-4} alkoxy; Y is a bond or an alkylene chain of 1, 2 or 3 carbon atoms in length; R^1 is hydrogen; a carbocyclic or heterocyclic group having from 3 to 12 ring members; or a C_{1-8} hydrocarbyl group optionally substituted by one or more substituents selected from halogen (e.g. fluorine), hydroxy, C_{1-4} hydrocarbyloxy, amino, mono- or di-C_{1-4} hydrocarbylamino, and carbocyclic or heterocyclic groups having from 3 to 12 ring members, and wherein 1 or 2 of the carbon atoms of the hydrocarbyl group may optionally be replaced by an atom or group selected from 0, S, NH, SO, SO_2; R^2 is hydrogen; halogen; C_{1-4} alkoxy (e.g. methoxy); or a C_{1-4} hydrocarbyl group optionally substituted by halogen (e.g. fluorine), hydroxyl or C_{1-4} alkoxy (e.g. methoxy); R^3 is selected from hydrogen and carbocyclic and heterocyclic groups having from 3 to 12 ring members; and R^4 is hydrogen or a C_{1-4} hydrocarbyl group optionally substituted by halogen (e.g. fluorine), hydroxyl or C_{1-4} alkoxy (e.g. methoxy).

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