(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/012256 A1

(51) International Patent Classification[7]: C07D 231/38, 231/42, 403/12, 401/12, 405/12, 409/12, 413/12, 401/14, A61K 31/4155, A61P 35/00, 31/10, 31/12, 37/00, 25/28

(21) International Application Number: PCT/GB2004/003179

(22) International Filing Date: 22 July 2004 (22.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

0317127.9	22 July 2003 (22.07.2003)	GB
60/489,046	22 July 2003 (22.07.2003)	US
60/569,763	10 May 2004 (10.05.2004)	US

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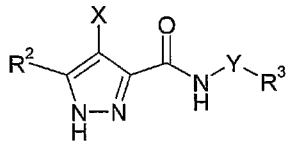
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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(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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(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

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