

Title (en)

PYRIDINAMIDE DERIVATIVE AS KINASE INHIBITORS

Title (de)

PYRIDINAMID-DERIVATE ALS KINASE-INHIBITOREN

Title (fr)

DERIVES PYRIDINAMIDE SERVANT D'INHIBITEURS DE KINASE

Publication

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Application

EP 05700886 A 20050113

Priority

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Abstract (en)

[origin: DE102004009238A1] Aryl amide compounds (I) and their salts, derivatives, solvates and/or stereoisomers including their mixtures in all ratios are new. Aryl amide compounds (I) of formula ($\text{Ar}1>\text{N}(\text{R}2>)\text{CH}(=\text{Y})\text{Ar}2>\text{Z}\text{Ar}3>$) and their salts, derivatives, solvates and/or stereoisomers including their mixtures in all ratios are new. Ar1>Ar3>aromatic (optionally substituted with R1>) or Het; Het : 1-2 aromatic heterocyclic ring with 1-4 N-, O- and/or S-; R1>H, A, aryl, OR4>, SR4>, Oaryl, Saryl, N(R4>)2, NHaryl, Hal, NO2, CN, (CH2)mCOOR4>, (CH2)mCOOaryl, (CH2)mCON(R4>)2, (CH2)mCONHaryl, COR4>, COaryl, S(O)mA, S(O)maryl, NHCOA, NHCOaryl, NSHO2A, NSHO2aryl, SO2N(R4>)2, O(CH2)n, N(R4>)2, O(CH2)nNHR3>, O(CH2)n-oxo-piperazine, O(CH2)n-oxomorpholine, O(CH2)n-oxopyrrolidine, O(CH2)nC(CH2)2(CH2)nN(R4>)2, N(CH2)3(CH2)2nN(R4>)2, O(CH2)nN(R4>)SOmA, O(CH2)nN(R4>)SOmN(R4>)A, O(CH2)nN(R4>)SOmaryl, (CH2)nN(R4>)SOmA, (CH2)nN(R4>)SOmN(R4>)A, (CH2)nN(R4>)SOmaryl, O(CH2)nSOmA, O(CH2)nSOmN(R4>)A, O(CH2)nSOmaryl, (CH2)nSOmA, (CH2)nSOmN(R4>)A and/or (CH2)nSOmaryl; Y : O, S, C-NO-2, C(CN)2 or N-R3>; Z : G1>n, G1>nEG2>m, EG1>nG2>m or G1>nG2>mE; R2>-R4>H, A or -alkylene-aryl; A : 1-10C alkyl (where 1-2 CH2-group is replaced with O-, S and/or with -CH=CH- and/or 1-7H atom is replaced with Hal), aryl (optionally substituted with A), phenyl, OA, SA, Ophenyl, NH2, NA2, hal, NO2, CN, (CH2)mCOOR4>, (CH2)mCON(R4>)2, COR4>, COaryl, S(O)mA, NHCOA or NSHO2A substituted phenyl; E : O, SOm, NR1>, CO, C=N or alkene; G1>, G2>CR1>R1> or E; Hal : F, Cl, Br or I; n : 0-5; and m : 0-2. Independent claims are also included for: (1) the preparation of (I); (2) medicament comprising (I), carriers and/or adjuvants and optionally at least additional drug active agents; (3) a set (kit) comprising divided packings of (I) and additional drug active agents; and (4) use of (I) in combination with radiotherapy and a compound (estrogen receptor modulators, androgen receptor modulators, retinoid receptor modulators, cytotoxic drug, antiproliferative agents, prenyl-proteintransferase inhibitors, 3-hydroxy 3-methyl glutaryl coenzyme A reductase inhibitors, HIV-protease inhibitors, reverse transcriptase inhibitors, growth factor receptor inhibitors and angiogenesis inhibitors) for preparing medicaments for the treatment and/or prophylaxis of diseases. ACTIVITY : Antiangiogenic; Cytostatic; Antidiabetic; Ophthalmological; Osteopathic; Antiarthritic; Antipsoriatic; Antirheumatic; Antiinflammatory; Dermatological; Gynecological; Vulnerary; Immunostimulant; Immunosuppressive. MECHANISM OF ACTION : Kinase activator; Kinase inhibitor; Tyrosine kinase inhibitor; Raf-kinase inhibitor. The ability of (I) to inhibit tyrosine kinase activity using biological assays. The results showed that (I) inhibited vascular endothelial growth factor stimulated mitogenesis in a culture containing human endothelial cells at HK-50 value of 0.01-5 microM.

IPC 8 full level

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CPC (source: EP US)

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