

Publication

EP 0575526 A4 19940330

Application

EP 92908816 A 19920309

Priority

- US 66595491 A 19910308
- US 82730292 A 19920129

Abstract (en)

[origin: EP0503537A1] A compound according to formula (I): <CHEM> wherein R is C1-C10 alkyl; phenyl or C7-C10 aralkyl; C2-C10 alkyl substituted with one or two substituents selected from the group consisting of OR1 and -NR2R3; C2-C10 alkyl interrupted by one or two oxygen atoms or by a member selected from the group consisting of -NR4-, cis -CH=CH-, trans -CH=CH- and -C=C-, and optionally substituted with one or two hydroxy (OH) or -NR2R3 groups; and wherein R1 is selected from the group consisting of hydrogen, C1-C6 alkyl, phenyl, C7-C10 aralkyl, -CHO, -COR5-, -COOR5, -S(O2)R5 and C2-C6 alkyl optionally substituted with -NR2R3; R2 and R3 are the same or different and are selected from the group consisting of hydrogen, C1-C10 alkyl, C7-C10 aralkyl, phenyl, C2-C10 alkyl substituted with one or two hydroxy (OH) groups, -CHO, -COR5, -COOR5, and -S(O2)R5, R2 and R3 taken together with the nitrogen atom to which they are bound form an ethyleneimine ring or a 5- or 6-membered aromatic or non-aromatic heterocyclic ring optionally containing another heteroatom selected from the group consisting of sulfur, oxygen and nitrogen, R2 is H and R3 is -C(=NH)NH2 or R2 is -C(=NH)NH2 and R3 is H; R4 is selected from the group consisting of hydrogen, C1-C10 alkyl, C2-C10 hydroxyalkyl, C2-C10 alkyl substituted with -NR2R3, C7-C10 aralkyl, phenyl, -COR5, -COOR5 and -S(O2)R5; R5 is selected from the group consisting of C1-C10 alkyl, C7-C10 aralkyl, alpha -, beta -, or gamma -naphthyl, phenyl, o-, m-, or p-tolyl as free bases and their salts with pharmaceutically acceptable acids, have been found to have cytostatic and anti-tumor activity.

IPC 1-7

C07D 221/08

IPC 8 full level

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CPC (source: EP)

A61P 35/00 (2017.12); **C07D 221/08** (2013.01); **C07D 401/14** (2013.01); **Y02P 20/55** (2015.11)

Citation (search report)

- [Y] GB 2000029 A 19790104 - ALLIED CHEM
- [Y] US 4197249 A 19800408 - DURR FREDERICK E [US], et al
- [Y] M. CROISY-DELCEY ET AL: "Aminoalkylamino derivatives of dihydroxy-benzo[g]isoquinoline dione and of trihydroxy-naphtho[2,3-g]isoquinoline dione:synthesis and anti-tumor evaluation", EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol. 23, no. 1, January 1988 (1988-01-01), PARIS FR, pages 101 - 106
- See references of WO 9215300A1

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