

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2001 (15.03.2001)

PCT

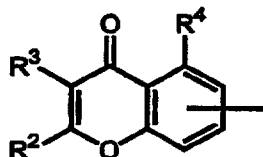
(10) International Publication Number
WO 01/17985 A1

- (51) International Patent Classification⁷: C07D 311/30, 311/36, 311/16, 311/86, A61K 31/37, A61P 35/00
- (21) International Application Number: PCT/EP00/08365
- (22) International Filing Date: 28 August 2000 (28.08.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
9920912.4 3 September 1999 (03.09.1999) GB
- (71) Applicant (for all designated States except US): INDENA S.P.A. [IT/IT]; Via Ordes, 12, I-20139 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BOMBARDELLI, Ezio [IT/IT]; Via Val di Sole, 22, I-20141 Milano (IT). VALENTI, Piero [IT/IT]; Viale Lenin, 55, I-40139 Bologna (IT).
- (74) Agents: RITTER, Stephen, David et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— With international search report.
— Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

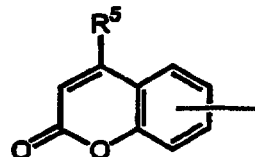
(54) Title: NOVEL DERIVATIVES OF FLAVONES, XANTHONES AND COUMARINS



(I)



(IA)



(IB)

(57) Abstract: Disclosed are novel compounds having the Formula (I): $Z-OCH_2-C \equiv CCH_2NRR^1$ or a pharmaceutically acceptable salt or solvate thereof wherein Z can represent Formulae (IA) or (IB). The compounds possess antiproliferative activity, and are useful as modulators of multiple drug resistance in cancer chemotherapy. The compounds may also be useful for the manufacture of a medicament for the treatment or prevention of neoplasms, menopausal disorders and osteoporosis.