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(21) International Application Number: PCT/EP98/03558 (22) International Filing Date: 12 June 1998 (12.06.98) (30) Priority Data: 9712966.2 19 June 1997 (19.06.97) GB (71) Applicant (for all designated States except US): INDENA S.p.A. [IT/IT]; Viale Ortles, 12, I-20139 Milano (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): BOMBARDELLI, Ezio [IT/IT]; Indena S.p.A., Viale Ortles, 12, I-20139 Milano (IT). VALENTI, Piero [IT/IT]; Indena S.p.A., Viale Ortles, 12, I-20139 Milano (IT). (74) Agents: RITTER, Stephen, David et al.; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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, 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 the receipt of amendments.	

(54) Title: CHALCONES HAVING ANTIPROLIFERATIVE ACTIVITY

(57) Abstract

Disclosed are compounds having general formula (A) wherein Ar represents phenyl, which may be unsubstituted or substituted by one, two or three substituents independently selected from Cl, Br, F, -OMe, NO₂, CF₃, C₁₋₄ lower alkyl, -NMe₂, -NEt₂, -SCH₃, -NHCOCH₃; 2-thienyl; 2-furyl; 3-pyridyl; 4-pyridyl or 3-indolyl, and R represents -OCH₂R₁, in which R₁ is selected from -CH=CMe₂, -CMe=CH₂, -C≡CH; with the proviso that where Ar represents phenyl, R is other than 3-methyl-2-butenyl. The compounds possess a valuable antiproliferation activity both on sensitive cancerous cells and on cells which are resistant to common chemotherapeutic drugs.

