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(21) International Application Number: PCT/AU98/00656 (22) International Filing Date: 19 August 1998 (19.08.98) (30) Priority Data: ① PO 8640 19 August 1997 (19.08.97) AU (71) Applicant (for all designated States except US): PEPLIN PTY. LTD. [AU/AU]; 63 Carmody Road, St. Lucia, QLD 4067 (AU). (72) Inventor; and (75) Inventor/Applicant (for US only): ① AYLWARD, James, Harrison [AU/AU]; 63 Carmody Road, St. Lucia, QLD 4067 (AU). (74) Agent: GRIFFITH HACK; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).	(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, HR, 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, GW, ML, MR, NE, SN, TD, TG). Published With international search report. 1 PD. 1 appl ⁿ . (18/306 - 11/3/00) PF23 - 26/11/01 PF23 - 11/1/02 1 Inv. IPC: C07C 69/78 C07C 69/533 etc IPER 26/2/99	
(54) Title: ANTI-CANCER COMPOUNDS (57) Abstract This invention relates to a compound or group of compounds present in an active principle derived from plants of the species <i>Euphorbia peplus</i>, <i>Euphorbia hirta</i> and <i>Euphorbia drummondii</i>, and to pharmaceutical compositions comprising these compounds. Extracts from these plants have been found to show selective cytotoxicity against several different cancer cell lines. The compounds are useful in effective treatment of cancers, particularly malignant melanomas and squamous cell carcinomas (SCCs). In a preferred embodiment of the invention, the compound is selected from the group consisting of jatrophanes, pepluanes, paralianes and ingenanes, and pharmaceutically-acceptable salts or esters thereof, and more particularly jatrophanes of Conformation II.		