2003026366

07 MAY 2003

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 March 2003 (27.03.2003)

PCT

(10) International Publication Number
WO 03/024459 A1

(51) International Patent Classification[7]: A61K 31/56, 31/335

(21) International Application Number: PCT/CA02/01408

(22) International Filing Date:
13 September 2002 (13.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/957,082 21 September 2001 (21.09.2001) US

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(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

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.

162162

ACTION

WO 03/024459 A1

(54) Title: PROTOPANAXADIOL AND PROTOPANAXATRIOL AND THEIR USE AS SYNERGISTIC ANTI-CANCER AGENTS

(57) Abstract: The invention provides for the use of sapogenin protopanaxadiol and/or sapogenin protopanaxatriol in synergistic combination with another cancer chemotherapeutic in pharmaceutical compositions used in methods of inhibiting the multiplication of cancer cells, and methods of treating cancer in patients, comprising administering to such patients therapeutically and synergistically effective amounts of sapogenin protopanaxadiol and/or sapogenin protopanaxatriol in combination with a chemotherapeutic selected from the group consisting of paclitaxel and mitoxantrone. The cancer cells to be treated may be multi-drug resistant. The cancer cells may, for example, be prostate cancer cells or breast cancer cells.