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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 April 2002 (11.04.2002)

PCT

(10) International Publication Number
WO 02/28389 A1

(51) International Patent Classification[7]: A61K 31/40, C07D 403/14

(21) International Application Number: PCT/EP01/10988

(22) International Filing Date:
21 September 2001 (21.09.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/676,770 2 October 2000 (02.10.2000) US

(71) Applicants *(for all designated States except US)*: **PHARMACIA & UPJOHN S.P.A.** [IT/IT]; Via Robert Koch, 1.2, I-20152 Milan (IT). **PHARMACIA & UPJOHN COMPANY** [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **FOWST, Camilla** [IT/IT]; Via Fratelli Zoia, 49, I-20153 Milan (IT). **VREELAND, Franzanne** [US/US]; 602 Emeerald Trail, Martinsville, NJ 08836 (US). **GERONI, Maria, Cristina, Rosa** [IT/IT]; Via Correggio 48, I-20149 Milano (IT).

(74) Agent: **LONGONI, Alessandra**; Pharmacia & Upjohn SpA, Patent Department, Viale Pasteur 10, I-20014 Nerviano (Milan) (IT).

(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, PH, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 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.

WO 02/28389 A1

(54) Title: ANTITUMOR THERAPY COMPRISING DISTAMYCIN DERIVATIVES

(57) Abstract: The present invention relates to an administration schedule comprising the intravenous administration of a α-halogen-acryloyl distamycin derivative, or a pharmaceutically acceptable salt thereof. The above administration allows the treatment of a variety of tumors in mammals.