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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 June 2002 (06.06.2002)

PCT

(10) International Publication Number
WO 02/44147 A1

(51) International Patent Classification[7]: C07D 207/34, 207/42

(21) International Application Number: PCT/EP01/13050

(22) International Filing Date:
7 November 2001 (07.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0029004.9 28 November 2000 (28.11.2000) GB

(71) Applicant *(for all designated States except US)*: **PHARMACIA ITALIA S.P.A.** [IT/IT]; Via Robert Koch 1.2, I-20152 Milano (IT).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **CALDARELLI, Francesco** [IT/IT]; Via G. Previati, 1, I-20149 Milano (IT). **CERIANI, Lucio** [IT/IT]; Via Solferino, 5, I-20015 Parabiago (Milano) (IT). **CANDIANI, Ilaria** [IT/IT]; Via Marengo, 13, I-21052 Busto Arsizio (Varese) (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*
— *entirely in electronic form (except for this front page) and available upon request from the International Bureau*

*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 02/44147 A1

(54) Title: PROCESS FOR PREPARING DISTAMYCIN DERIVATIVES

(57) Abstract: It is described a process for preparing, in high yields and purity and without the need of carrying out several steps and/or isolating many intermediates which could lead to undesired by-products, a distamycin derivative, as reported in the specification. These compounds are useful in therapy as antitumor agents.