

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 June 2006 (29.06.2006)

PCT

(10) International Publication Number  
**WO 2006/066775 A1**

(51) International Patent Classification:

A61K 31/4995 (2006.01) A61K 36/062 (2006.01)  
A61K 31/496 (2006.01) A61P 35/00 (2006.01)

(21) International Application Number:

PCT/EP2005/013457

(22) International Filing Date:

14 December 2005 (14.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

MI2004A002477

23 December 2004 (23.12.2004) IT

(71) Applicant (for all designated States except US): **CELL THERAPEUTICS EUROPE S.R.L.** [IT/IT]; Via Ariosto, 23, I-20091 Bresso (Milano) (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DE MUNARI, Sergio** [IT/IT]; Via Ariosto, 23, I-20091 Bresso (Milano) (IT). **GRUGNI, Mario** [IT/IT]; Via Ariosto, 23, I-20091 Bresso (Milano) (IT). **MENTA, Ernesto** [IT/IT]; Via Ariosto, 23, I-20091 Bresso (Milano) (IT). **CASSIN, Mara** [IT/IT]; Via Ariosto, 23, I-20091 Bresso (Milano) (IT). **COLELLA, Gennaro** [IT/IT]; Via Ariosto, 23, I-20091 Bresso (Milano) (IT).

(74) Agents: **MINOJA, Fabrizio** et al.; Bianchetti Bracco Minoja S.r.l., Via Plinio, 63, I-20129 Milano (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (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.

(54) Title: USE OF DIKETODITHIOPIPERAZINE ANTIBIOTICS FOR THE PREPARATION OF ANTIANGIOGENIC PHARMACEUTICAL COMPOSITIONS

(57) Abstract: The invention relates to the use of diketodithiopiperazine antibiotics, in particular chaetocin and gliotoxin, for the preparation of pharmaceutical compositions for antitumor therapy.

WO 2006/066775 A1