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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 February 2012 (02.02.2012)

PCT

(10) International Publication Number
WO 2012/014147 A1

(51) International Patent Classification:
C07D 487/04 (2006.01) *A61P 35/00* (2006.01)

(21) International Application Number:
PCT/IB2011/053310

(22) International Filing Date:
25 July 2011 (25.07.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1056103 26 July 2010 (26.07.2010) FR

(71) Applicant *(for all designated States except US)*: **SANOFI** [FR/FR]; 174 avenue de France, F-75013 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **COMMERÇON, Alain** [FR/FR]; c/o Sanofi Patent Department, 174 avenue de France, F-75013 Paris (FR). **GAUZY-LAZO, Laurence** [FR/FR]; c/o Sanofi Patent Department, 174 avenue de France, F-75013 Paris (FR). **HUBERT, Philippe** [FR/FR]; c/o Sanofi Patent Department, 174 avenue de France, F-75013 Paris (FR).

(74) Agents: **GASLONDE, Aude** et al.; Sanofi, Patent Department, 174 avenue de France, F-75013 Paris (FR).

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

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

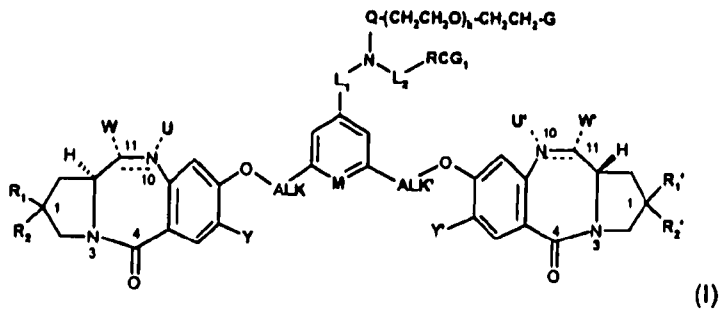
Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*

(54) **Title**: ANTICANCER DERIVATIVES, PREPARATION THEREOF AND THERAPEUTIC USE THEREOF



(I)

(57) **Abstract**: The present invention relates to conjugales of pyrrolo[1,4]benzodiazepine (PBD) dimers, to compositions containing them and to their therapeutic use, especially as anticancer agents. The invention also relates to the process for preparing the conjugates and to their use as anticancer agents, and also to the dimers themselves. Formula (I) in which : represents a single bond or a double bond.

WO 2012/014147 A1