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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 June 2010 (17.06.2010)

PCT

(10) International Publication Number
WO 2010/068181 A1

(51) International Patent Classification:
C07D 498/04 (2006.01) *A61P 35/00* (2006.01)
A61K 31/519 (2006.01)

(21) International Application Number:
PCT/SG2009/000473

(22) International Filing Date:
9 December 2009 (09.12.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/121,668 11 December 2008 (11.12.2008) US

(71) Applicant *(for all designated States except US)*: **S*BIO PTE LTD** [SG/SG]; 1 Science Park Road, #05-09 The Capricorn, Singapore Science Park II, Singapore 117528 (SG).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **DYMOCK, Brian** [GB/SG]; 1 Kim Seng Walk, #22-06, Tiara Tower 2, Singapore 239403 (SG). **LEE, Cheng Hsia Angeline** [SG/SG]; Block 764, Jurong West St 74, #10-25, Singapore 640764 (SG). **WILLIAM, Anthony Deodaunia** [IN/SG]; 32 Woodlands Cresent, #02-07, Northoaks, Singapore 738087 (SG).

(74) Agent: **NAMAZIE, Farah**; P.O. Box 1482, Robinson Road, Robinson Road Post Office, Singapore 902932 (SG).

(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, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

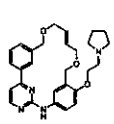
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS,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

Published:

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

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(54) Title: 11-(2-PYRROLIDIN-1-YL-ETHOXY)-14,19-DIOXA-5,7,26-TRIAZA-TETRACYCLO[19.3.1.1(2,6)1(8,12)]HEPTACOSA-1(25),2(26),3,5,8,10,12(27)J16,21,23-DECAENE CITRATE SALT



Compound I

(I)

(57) Abstract: The present invention relates to certain salts of a 11-(2-pyrrolidin-1-yl-ethoxy)-14,19- dioxa-5,7,26-triaza-tetracyclo[19.3.1.1 (2,6).1 (8, 12)]heptacosa- 1 (25),2(26),3,5,8,10,12(27),16,21,23-decaene (Compound I) which have been found to have improved properties. In particular the present invention relates to the citrate salt of this compound. The invention also relates to pharmaceutical compositions containing the citrate salt and methods of use of the citrate salt in the treatment of certain medical conditions.

WO 2010/068181 A1