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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 April 2006 (06.04.2006)

PCT

(10) International Publication Number
WO 2006/036874 A1

(51) International Patent Classification:
C07D 211/58 (2006.01) *A61P 25/00* (2006.01)
A61K 31/4468 (2006.01) *A61P 7/02* (2006.01)

(21) International Application Number:
PCT/US2005/034376

(22) International Filing Date:
26 September 2005 (26.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/614,014 27 September 2004 (27.09.2004) US

(71) Applicant *(for all designated States except US)*: **ACADIA PHARMACEUTICALS INC.** [US/US]; 3911 Sorrento Valley Blvd., San Diego, California 92121-1402 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **THYGESEN, Mikkel** [DK/DK]; Silkeborggade 20, st. th., DK-2100 Copenhagen (DK). **SCHLIENGER, Nathalie** [FR/DK]; Falstersvej 2, 1.tv., DK-2000 Frederiksberg (DK). **TOLF, Bo-Ragnar** [SE/DK]; Ringstedgade 2, 1.tv., DK-2100 Copenhagen (DK). **BLATTER, Fritz** [CH/CH]; Oerinstrasse 67, CH-4153 Reinach (CH). **BERGHAUSEN, Jorg** [DE/DE]; Eckenbachweg 17, 79541 Lorrach (DE).

(74) Agent: **HART, Daniel**; KNOBBE, MARTENS, OLSON, AND BEAR LLP, 2040 Main Street, 14th Floor, Irvine, California 92614 (US).

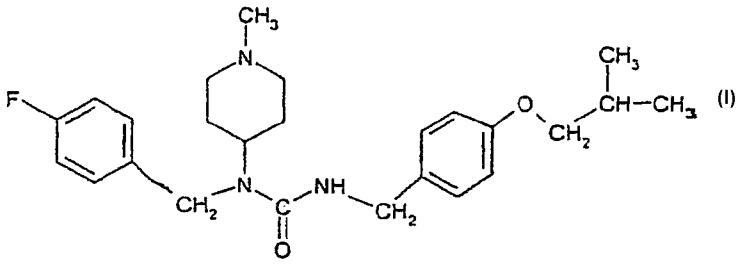
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, 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*
— *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.

(54) Title: SALTS OF N-(4-FLUOROBENZYL)-N-(1-METHYLPIPERIDIN-4-YL)-N'-(4-(2-METHYLPROPYLOXY)PHENYLMETHYL)CARBAMIDE AND THEIR PREPARATION



(I)

(57) Abstract: Disclosed herein are salts of N-(4-fluorobenzyl)-N-(1-methylpiperidin-4-yl)-N'-(4-(2-methylpropyloxy)phenylmethyl) carbamide of formula (I) including the citrate, fumarate, maleate, malate, phosphate, succinate, sulphate, and edisylate salts.

WO 2006/036874 A1