11/12/02
20020755588

162162

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 January 2002 (17.01.2002)

PCT

(10) International Publication Number
WO 02/003978 A3

(51) International Patent Classification[7]: A61K 31/52, 31/675, 31/64, A61P 5/00

(21) International Application Number: PCT/US01/21557

(22) International Filing Date: 5 July 2001 (05.07.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/216,531 6 July 2000 (06.07.2000) US

(71) Applicants *(for all designated States except US)*: **METABASIS THERAPEUTICS, INC.** [US/US]; 9390 Towne Centre Drive, San Diego, CA 92121 (US). **SANKYO COMPANY, LIMITED** [JP/JP]; 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **VAN POELJE, Paul, D.** [NL/US]; 6483 Dowling Drive, La Jolla, CA 92037 (US). **ERION, Mark, D.** [US/US]; 13455 Mango Drive, Del Mar, CA 92014 (US). **FUJIWARA, Toshihiko** [JP/JP]; c/o Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP).

(74) Agents: **PAGLIERY, Richard, H.** et al.; Brobeck, Phleger & Harrisson, 12390 El Camino Real, San Diego, CA 92130 (US).

(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, 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, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
16 October 2003

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 02/003978 A3

(54) Title: A COMBINATION OF FBPase INHIBITORS AND ANTIDIABETIC AGENTS USEFUL FOR THE TREATMENT OF DIABETES

(57) Abstract: A combination therapy of at least one FBPase inhibitor and at least one other antidiabetic agent is disclosed.

ACTION