

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
7 September 2012 (07.09.2012)



(10) International Publication Number
WO 2012/118972 A8

(51) International Patent Classification:

C07K 14/47 (2006.01) *C07K 7/06* (2006.01)
C07K 7/08 (2006.01) *C07K 1/22* (2006.01)

[US/US]; 105 Steeplechase Drive, Doylestown, PA 18902 (US). **FENG, Rong** [CA/US]; 74 Pine Glen Road, Langhorne, PA 19047 (US).

(21) International Application Number:

PCT/US2012/027287

(74) **Agents:** **ELRIFI, Ivor, R.** et al.; Mintz Levin Cohn Ferris Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111 (US).

(22) International Filing Date:

1 March 2012 (01.03.2012)

(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, QA, RO, RS, RU, RW, 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.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/447,891 1 March 2011 (01.03.2011) US

(71) **Applicant** (*for all designated States except US*): **SYNERGY PHARMACEUTICALS INC.** [US/US]; 420 Lexington Avenue, Suite 1609, New York, NY 10170 (US).

(72) Inventors; and

(75) **Inventors/Applicants** (*for US only*): **BAI, Juncai** [US/US]; 1024 Dittman Court, North Augusta, SC 29842 (US). **ZHANG, Ruoping** [US/US]; 1024 Dittman Court, North Augusta, SC 29842 (US). **JIAN, Jun** [CN/CN]; 388 Chugong Road Fengxian, Sub-Zone Industrial Park Suite 100, Shanghai, 201400 (CN). **ZHOU, Junfeng** [CN/CN]; 388 Chugong Road Fengxian, Sub-Zone Industrial Park Suite 100, Shanghai, 201400 (CN). **ZHAO, Qiao** [CN/CN]; 388 Chugong Road Fengxian, Sub-Zone Industrial Park Suite 100, Shanghai, 201400 (CN). **ZHANG, Guoqing** [CN/CN]; 388 Chugong Road Fengxian, Sub-zone Industrial Park Suite 100, Shanghai, 201400 (CN). **SHAILUBHAI, Kunwar** [US/US]; 2707 Bald Eagle Circle, Audubon, PA 19403 (US). **COMISKEY, Stephen**

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

[Continued on next page]

(54) **Title:** PROCESS OF PREPARING GUANYLATE CYCLASE C AGONISTS

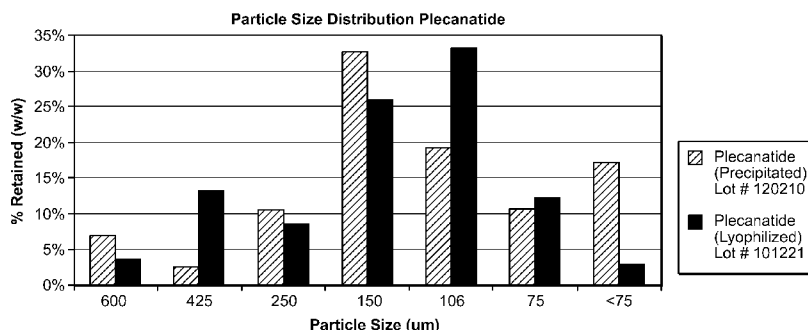


FIG. 1

(57) **Abstract:** The invention provides processes of preparing a peptide including a GCC agonist sequence selected from the group consisting of SEQ ID NOS: 1-249 described herein.



(48) Date of publication of this corrected version:

1 November 2012

(15) Information about Correction:

see Notice of 1 November 2012