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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 May 2007 (03.05.2007)

PCT

(10) International Publication Number
WO 2007/049914 A1

(51) International Patent Classification:
C07D 401/12 (2006.01) *A61P 1/04* (2006.01)
A61K 31/44 (2006.01)

(21) International Application Number:
PCT/KR2006/004369

(22) International Filing Date: 25 October 2006 (25.10.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2005-0101059 26 October 2005 (26.10.2005) KR
PCT/KR2006/000760
6 March 2006 (06.03.2006) KR

(71) Applicant *(for all designated States except US)*: **HANMI PHARM. CO., LTD.** [KR/KR]; #893-5, Hajeo-ri, Paltan-myeon, Hwaseong-gun, Kyungki-do 445-910 (KR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HA, Tae Hee** [KR/KR]; Sinnamusil 512-1504, #964-5, Young-tong-dong Youngtong-gu, Suwon-si, Gyeonggi-do 443-727 (KR). **OH, Hee Sook** [KR/KR]; Duri Villa 2-201, #583, Gueumho-dong 3-ga Seongdong-gu, Seoul 133-805 (KR). **KIM, Won Jeoung** [KR/KR]; Iville 101, #510-11, Maetan-3-dong, Youngtong-gu, Suwon-si, Gyeonggi-do 443-803 (KR). **PARK, Chang Hee** [KR/KR]; Donghoville 203, #457-2, Sanggal-ri, Giheung-eup, Yongin-si, Gyeonggi-do 449-905 (KR). **KIM, Eun Young** [KR/KR]; Joeunville 104-205, #513-11, Mangpo-dong Youngtong-gu, Suwon-si, Gyeonggi-do 443-400 (KR). **KIM, Young Hoon** [KR/KR]; Daewoo Dream Town 103-902, Youngdeungpo-dong Youngdeungpo-gu, Seoul 150-797 (KR). **SUH, Kwee Hyun** [KR/KR]; Greenville 101-204, #1258, Maetan-3-dong Youngtong-gu, Suwon-si, Gyeonggi-do 443-792 (KR). **LEE, Gwan Sun** [KR/KR]; Woochang Apt. 3-404, Okeum-dong, Songpa-gu, Seoul 138-739 (KR).

(74) Agents: **JANG, Seongku** et al.; 19th Fl., Trust Tower, #275-7, Yangjae-dong, Seocho-ku, Seoul 137-130 (KR).

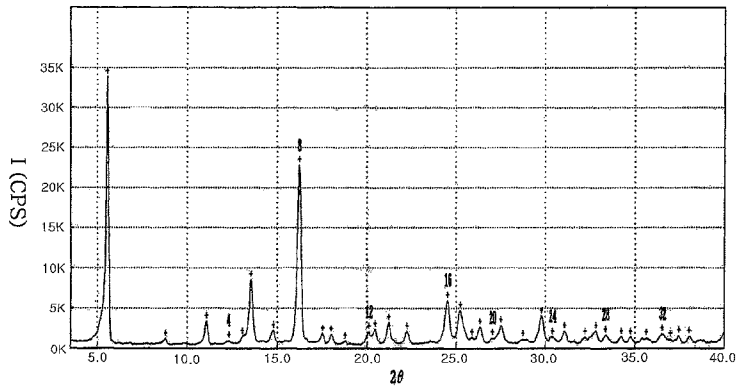
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, 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, 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*

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: S-OMEPRAZOLE STRONTIUM OR HYDRATE THEREOF, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME



(57) Abstract: This invention provides S-omeprazole strontium or a hydrate thereof for the prevention or treatment of a gastric acid-related disease, which has high optical purity, theremostability, solubility and nonhygroscopicity, a method for preparing same, and a pharmaceutical composition comprising same.

WO 2007/049914 A1