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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 August 2003 (14.08.2003)

PCT

(10) International Publication Number
WO 03/066058 A1

(51) International Patent Classification[7]: A61K 31/501

(21) International Application Number: PCT/KR03/00278

(22) International Filing Date: 8 February 2003 (08.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2002/7678 9 February 2002 (09.02.2002) KR

(71) Applicant and
(72) Inventor: **KIM, Sang-Geon** [KR/KR]; 102-206 Kang-chon Apt., Ichon1-dong, Yongsan-gu, Seoul 140-031 (KR).

(72) Inventors: **KANG, Keon-Wook**; 504-1, Gileum3-dong, Seongbuk-gu, Seoul 136-113 (KR). **KIM, Yoon-Gyoon**; 220-14, Gueui3-dong, Gwangjin-gu, Seoul 143-203 (KR). **CHO, Min-Kyung**; 102-804 Sangdohyundai Apt., Sangdo-dong, Dongjak-gu, Seoul 156-030 (KR).

(74) Agent: **LEE, Young-Pil**; The Cheonghwa Building, 1571-18, Seocho-dong Seocho-gu, Seoul 137-874 (KR).

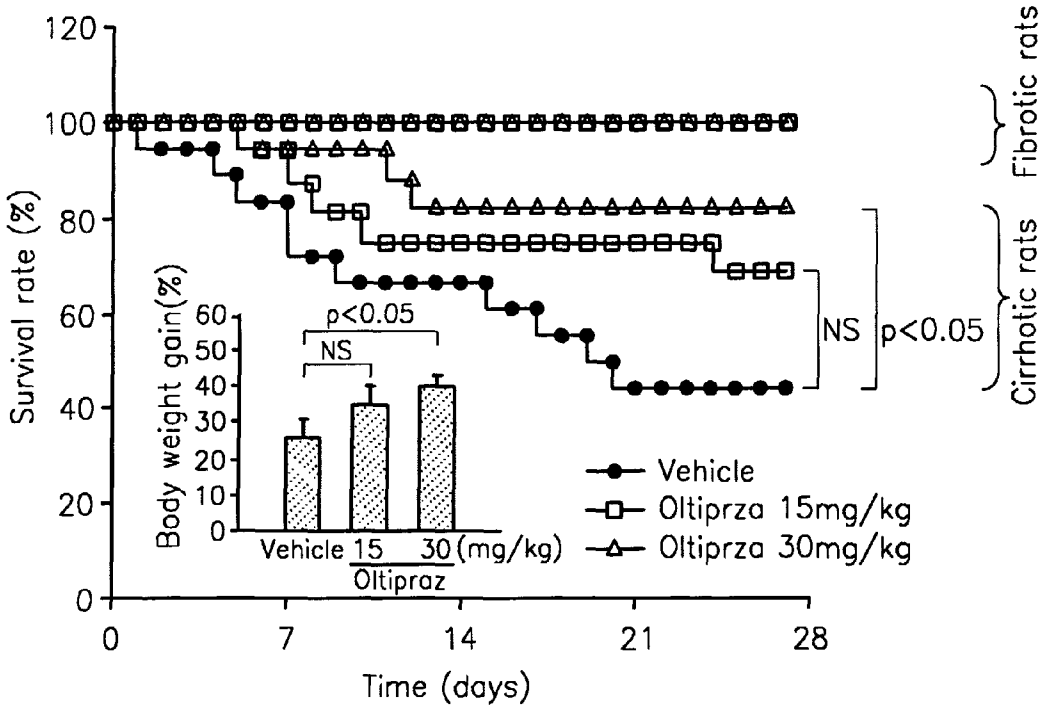
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

[Continued on next page]

(54) Title: PHARMACEUTICAL COMPOSITION FOR REGENERATION OF CIRRHOTIC LIVER



(57) Abstract: The present invention provides a pharmaceutical composition and the use thereof for regeneration of liver tissues to treat cirrhotic liver, the composition including 5-(2-pyrazinyl)-4-methyl-1,2-dithiol-3-thione (oltipraz) as an active ingredient. The oltipraz composition promotes regeneration of liver tissues in a cirrhotic liver, thereby useful in treating cirrhosis.

WO 03/066058 A1

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.