9906201-D
IPOS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 31/44, 31/365, 9/107, 9/48, 47/18 — A1

(11) International Publication Number: **WO 99/06044**

(43) International Publication Date: 11 February 1999 (11.02.99)

(21) International Application Number: PCT/US98/14817

(22) International Filing Date: 27 July 1998 (27.07.98)

(30) Priority Data:
60/054,012 29 July 1997 (29.07.97) US

(71) Applicant *(for all designated States except US)*: PHARMACIA & UPJOHN COMPANY [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: MOROZOWICH, Walter [US/US]; 5330 Chickadee, Kalamazoo, MI 49002 (US). GAO, Ping [CN/US]; 7191 Crown Pointe Circle, Portage, MI 49024 (US).

(74) Agent: YANG, Lucy, X.; Intellectual Property Legal Services, Pharmacia & Upjohn Company, 301 Henrietta Street, Kalamazoo, MI 49001 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: PHARMACEUTICAL COMPOSITION FOR ACIDIC LIPOPHILIC COMPOUNDS IN A FORM OF A SELF–EMULSIFYING FORMULATION

(57) Abstract

The present invention provides a novel pharmaceutical composition based on the use of a particular amount of basic amine which comprises a pyranone compound as a pharmaceutically active agent, a basic amine in an amount of from about 0.1 % to about 10 % by weight of the total composition, one or more pharmaceutically acceptable solvents, and one or more pharmaceutically acceptable surfactants. In addition, the composition may further comprise one or more pharmaceutically acceptable oils. The composition is in a form of self–emulsifying formulation which provides high concentration and high oral bioavailability for lipophilic pyranone compounds.