PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

200002593-7

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
A61K 31/56, 47/00

A1

(11) International Publication Number: WO 99/24041

(43) International Publication Date: 20 May 1999 (20.05.99)

(21) International Application Number: PCT/US98/23750

(22) International Filing Date: 9 November 1998 (09.11.98)

(30) Priority Data:
60/064,980 10 November 1997 (10.11.97) US

(71) Applicant *(for all designated States except US)*: CELLEGY PHARMACEUTICALS, INC. [US/US]; Suite 418, 1065 E. Hillsdale Boulevard, Foster City, CA 94404 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: MAK, Vivien, H., W. [US/US]; 1951 Camino A Los Cerros, Menlo Park, CA 94025 (US). GRAYSON, Stephen [US/US]; 27 Mount Foraker Drive, San Rafael, CA 94903 (US).

(74) Agents: SNYDER, Joseph, R. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (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, GD, 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: PENETRATION ENHANCING AND IRRITATION REDUCING SYSTEMS

(57) Abstract

This invention lies in the technology of transdermal and topical drug delivery. In particular, the present invention relates to enhancement of the penetration of transdermally or topically applied drugs and with the reduction of skin irritation that often accompanies transdermal and topical drug delivery.