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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000361 A1

(51) International Patent Classification[7]: A61K 47/10, 9/06, 31/568, 31/565, 31/435, 31/496, A61P 15/10, 15/18, 25/04, 25/22

(21) International Application Number: PCT/AU2003/000785

(22) International Filing Date: 24 June 2003 (24.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PS 3173 25 June 2002 (25.06.2002) AU

(71) Applicant *(for all designated States except US)*: **ACRUX DDS PTY LTD** [AU/AU]; 103-113 Stanley Street, West Melbourne, Victoria 3003 (AU).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WILKINS, Nina, Frances** [GB/AU]; 35/6 Graham Street, Port Melbourne, Victoria 3207 (AU). **KLOSE, Kathryn, Traci-Jane** [AU/AU]; 21 Sherwood Avenue, Chelsea, Victoria 3196 (AU). **MORGAN, Timothy, Matthias** [AU/AU]; 2/80 Keeley Lane, Carlton North, Victoria 3054 (AU). **REED, Barry, Leonard** [AU/AU]; 36 Upland Road, Strathmore, Victoria 3041 (AU). **FINNIN, Barrie, Charles** [AU/AU]; 43 Iris Road, Glen Iris, Victoria 3146 (AU).

(74) Agent: **PHILLIPS ORMONDE & FITZPATRICK**; 367 Collins Street, Melbourne, Victoria 3000 (AU).

(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, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, 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, RO, 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*

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.

WO 2004/000361 A1

(54) Title: METASTABLE PHARMACEUTICAL COMPOSITIONS

(57) Abstract: The present invention provides a pharmaceutical composition for transdermal delivery comprising; one or more physiologically active agents; and a volatile pharmaceutically acceptable solvent; and wherein the physiological active agent forms a metastable deposit upon evaporation of the volatile solvent.