99025413

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 41/00 — A2

(11) International Publication Number: WO 98/25648

(43) International Publication Date: 18 June 1998 (18.06.98)

(21) International Application Number: PCT/US97/22661

(22) International Filing Date: 11 December 1997 (11.12.97)

(30) Priority Data:
08/763,451 11 December 1996 (11.12.96) US

(71) Applicant *(for all designated States except US)*: PHARMACYCLICS, INC. [US/US]; 995 East Arques Avenue, Sunnyvale, CA 94086–4521 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: BLUMENKRANZ, Mark, S. [US/US]; 20 Larguita Lane, Portola Valley, CA 94028 (US). WOODBURN, Kathryn, W. [AU/US]; 330 N. Mathilda Avenue #114, Sunnyvale, CA 94086 (US). MILLER, Richard, A. [US/US]; 250 Golden Hills Drive, Portola Valley, CA 94028 (US). YOUNG, Stuart, W. [US/US]; 45 Las Piedras, Portola Valley, CA 94028 (US).

(74) Agent: NORBERG, Gloria, L.; Akin, Gump, Strauss, Hauer & Feld, L.L.P., Suite 1900, 816 Congress Avenue, Austin, TX 78701 (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, 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, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published
Without international search report and to be republished upon receipt of that report.

(54) Title: USE OF A TEXAPHYRIN IN THE PREPARATION OF A MEDICAMENT FOR USE IN OCULAR DIAGNOSIS AND THERAPY

(57) Abstract

The use of texaphyrins for ocular diagnosis and therapy is provided, especially use of photosensitive texaphyrins for photodynamic therapy of conditions of the eye characterized by abnormal vasculature, such as macular degeneration, or pterygium, for example. The photosensitive texaphyrin may be a free–base texaphyrin or may be metallated with a diamagnetic metal. Preferably, the photosensitive texaphyrin is metallated with lutetium. Due to the dual wavelength absorption of texaphyrins, i.e., at 400–500 nm and at 700–800 nm, especially about 732 nm, as compared to porphyrins, texaphyrins are more effective and versatile for use in humans as compared to porphyrins. Texaphyrins serve as effective contrast agents in ocular angiography.