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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 April 2006 (06.04.2006)

PCT

(10) International Publication Number
WO 2006/037116 A3

(51) International Patent Classification:
A61K 9/00 (2006.01) *A61K 9/08* (2006.01)
A61K 9/06 (2006.01) *A61K 9/10* (2006.01)

(21) International Application Number:
PCT/US2005/035117

(22) International Filing Date:
27 September 2005 (27.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/953,841 28 September 2004 (28.09.2004) US

(71) Applicant *(for all designated States except US)*: **A.P. PHARMA, INC.** [US/US]; 123 Saginaw Drive, Redwood City, CA 94063 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **NG, Steven, Y.** [US/US]; 1664 18th Avenue, San Francisco, CA 94122 (US). **SHEN, Hui-Rong** [CN/US]; 3800 Camden Street, #48, Fremont, CA 94536 (US). **HELLER, Jorge** [US/US]; 8009 Dead Indian Memorial Drive, Ashland, OR 97520 (US).

(74) Agent: **NGUYEN, Sam, L.**; Heller Ehrman LLP, 275 Middlefield Road, Menlo Park, CA 94025-3506 (US).

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

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

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
1 June 2006

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.

(54) Title: SEMI-SOLID DELIVERY VEHICLE AND PHARMACEUTICAL COMPOSITIONS

(57) Abstract: A semi-solid delivery vehicle contains a polyorthoester and an excipient, and a semi-solid pharmaceutical composition contains an active agent and the delivery vehicle. The pharmaceutical composition may be a topical, syringable, or injectable formulation; and is suitable for local delivery of the active agent. Methods of treatment are also disclosed.

WO 2006/037116 A3