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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/099749 A3

(51) International Patent Classification:
A01N 37/18 (2006.01) *A61K 38/00* (2006.01)

(21) International Application Number:
PCT/US2005/011549

(22) International Filing Date: 5 April 2005 (05.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/561,741 12 April 2004 (12.04.2004) US

(71) Applicant *(for all designated States except US)*: **CANYON PHARMACEUTICALS, INC.** [US/US]; Executive Plaza One, Suite 400, 11350 McCormick Road, Hunt Valley, MD 21031 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **YU, Cheng-Der, Tony** [US/US]; 9812 Whitney Drive, Apt. #324, Baltimore, MD 21237 (US).

(74) Agents: **BURTON, Carol, W.** et al.; Hogan & Hartson, LLP, Suite 1500, 1200 17th Street, Denver, CO 80202 (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, MA, MD, MG, MK, MN, MW, MX, MZ, NA, 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, 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:
3 August 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: METHODS FOR CONTROLLING ANGIOGENESIS AND CELL PROLIFERATION

(57) Abstract: The present invention relates generally to methods of inhibiting angiogenesis in a patient by administering an effective angiogenesis-inhibiting amount of a thrombin inhibitor, and to the treatment of disease states that result from uncontrolled cell proliferation by administering a thrombin inhibitor alone or co-administering a thrombin inhibitor with an anticancer or cytotoxic agent. Specifically, the thrombin inhibitors used in the methods of the present invention are hirudins.

WO 2005/099749 A3