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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 March 2006 (02.03.2006)

PCT

(10) International Publication Number
WO 2006/023562 A2

(51) International Patent Classification:
A61K 31/4178 (2006.01) *C07D 405/04* (2006.01)

(21) International Application Number:
PCT/US2005/029259

(22) International Filing Date: 17 August 2005 (17.08.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/602,736 19 August 2004 (19.08.2004) US

(71) Applicant *(for all designated States except US)*: **QUEST PHARMACEUTICAL SERVICES (QPS)** [US/US]; Three Innovation Way, Suite 240, Neward, DE 19711 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **YANG, Fude** [US/US]; 7 Sara Court, Wilmington, DE 19810 (US).

(74) Agent: **CHENG, Kent, H.**; Cohen, Pontani, Lieberman & Pavane, 551 Fifth Avenue, New York, NY 10176 (US).

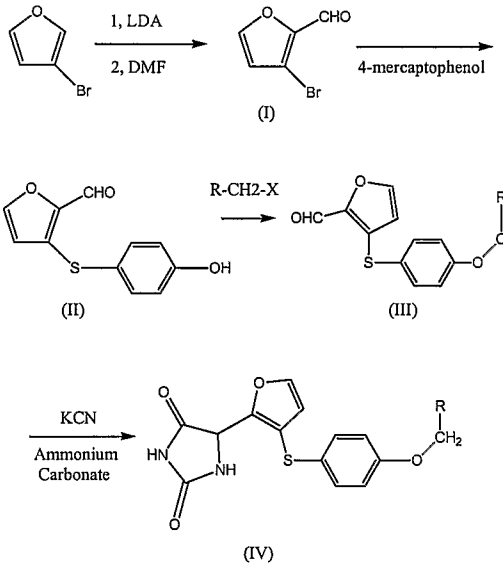
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, 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:
— *without international search report and to be republished upon receipt of that 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.

(54) **Title:** 5-[3-(4-BENZYLOXYPHENYLTHIO)-FUR-2-YL]-IMIDAZOLIDIN-2, 4-DIONE AND ANALOGUES AS INHIBITORS OF MACROPHAGE ELASTASE



(57) **Abstract:** 5-[3-(4-benzyloxyphenylthio)-fur-2-yl]-imidazolidin-2, 4-dione and analogues useful as inhibitors of macrophage elastase are disclosed.

WO 2006/023562 A2