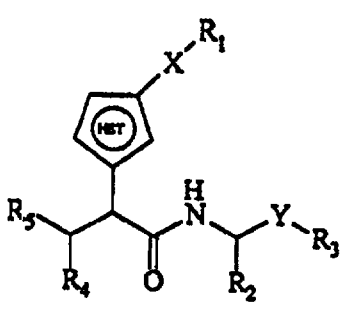




PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07D 207/327, C07K 5/078, C07D 307/54, 207/337, 231/12, 333/24, 233/56, A61K 31/34, 31/38, 31/40, 38/05, C07D 401/00, 403/00, 405/00, 409/00	A1	(11) International Publication Number: WO 98/17643 (43) International Publication Date: 30 April 1998 (30.04.98)
(21) International Application Number: PCT/US97/17809 (22) International Filing Date: 6 October 1997 (06.10.97) (30) Priority Data: 60/029,115 24 October 1996 (24.10.96) US 08/823,962 25 March 1997 (25.03.97) US (71) Applicants: AGOURON PHARMACEUTICALS, INC. [US/US]; 10350 North Torrey Pines Road, La Jolla, CA 92037 (US). SYNTEX (U.S.A.) INC. [US/US]; 3401 Hillview Avenue, P.O. Box 10850, Palo Alto, CA 94303 (US). (72) Inventors: BENDER, Steven, L.; 606 Eucalyptus Street, Oceanside, CA 92054 (US). CASTELHANO, Arlindo, L.; 3 Eagle Court, New City, NY 10956 (US). CHONG, Wesley, K., M.; 134 Honeycomb Court, Encinitas, CA 92024 (US). ABREO, Melwyn, A.; 460 Bonito Avenue, Imperial Beach, CA 91932 (US). BILLEDEAU, Roland, J.; Apartment 118, 1000 Kiely Boulevard, Santa Clara, CA 95051 (US). CHEN, Jian, Jeffrey; 3323 Geneva Drive, Santa Clara, CA 95051 (US). DEAL, Judith, G.; 45370 Zuma Drive, Temecula, CA 92592 (US).		(74) Agents: GARRETT, Arthur S.; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315 (US) et al. (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, 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, UZ, VN, YU, ZW, ARIPO patent (GH, 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 With international search report.
(54) Title: HETEROARYL SUCCINAMIDES AND THEIR USE AS METALLOPROTEINASE INHIBITORS (57) Abstract The present invention is directed to compound of formula (I), wherein R₁, R₂, R₃, R₄, R₅, X, Y and (Ia) are as defined herein. These compounds are useful for inhibiting the activity of a metalloproteinase by contacting the metalloproteinase with an effective amount of the inventive compounds.  (I)  (Ia)		