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(21) International Application Number: PCT/US00/06719 (22) International Filing Date: 15 May 2000 (15.05.00) (30) Priority Data: 09/311,837 14 May 1999 (14.05.99) US 09/570,731 12 May 2000 (12.05.00) US (71) Applicant (for all designated States except US): G.D. SEARLE & CO. [-/US]; Corporate Patent Department, P.O. Box 5110, Chicago, IL 60680 (US). (72) Inventors; and (73) Inventors/Applicants (for US only): BARTA, Thomas, E. [US/US]; 1133 Maple Avenue #3W, Evanston, IL 60202 (US). BECKER, Daniel, P. [US/US]; 1800 Maplewood Lane, Glenview, IL 60025 (US). BEDELL, Louis, J. [US/US]; 1832 E. Camp McDonald Road, Mt. Prospect, IL 60056 (US). BOEHM, Terri, L. [US/US]; 928 Cleta Drive, Ballwin, MO 63021 (US). CARROLL, Jeffrey, N. [US/US]; 2424 S. 18th, St. Louis, MO 63104 (US). DECRESCENZO, Gary, A. [US/US]; 7345 Spruce Hill Court, St. Charles, MO 63304 (US). FOBIAN, Yvette, M. [US/US]; 1260 Fiddle Creek Road, Labadia, MO 63055 (US). FRESKOS, John, N. [US/US]; 7572 York, Clayton, MO 63105 (US). GETMAN,		Daniel, P. [US/US]; 66 Sunny Hill Court, Chesterfield, MO 63017 (US). MCDONALD, Joseph, J. [US/US]; 1036 Johanna Drive, Ballwin, MO 63021 (US). HOCKERMAN, Susan, L. [US/US]; 5318 W. Hutchinson, Chicago, IL 60641 (US). HOWARD, Susan, C. [US/US]; 35 Worthy Court, Fenton, MO 63026 (US). KOLODZIEJ, Stephen, A. [US/US]; 2448 Clarjon Road, Ballwin, MO 63021 (US). LI, Madeleine, Hui [CN/US]; 322 Jefferson Ct., Vernon Hills, MO 60061 (US). MISCHKE, Deborah, A. [US/US]; 25 White River Land, Defiance, MO 63341 (US). RICO, Joseph, G. [US/US]; 524 Wetherby Terrace, St. Louis, MO 63021 (US). STEHLE, Nathan, W. [US/US]; 212D Seawind Drive, Ballwin, MO 63021 (US). TOLLEFSON, Michael, B. [US/US]; 219 Brougham Drive, O'Fallon, MO 63366 (US). VERNIER, William, F. [FR/US]; 1535 G. Oak Forest Spur Dr., St. Louis, MO 63146 (US). VILLAMIL, Clara, I. [US/US]; 813 Long Road, Glenview, IL 60025 (US). (74) Agents: WARNER, James, M. et al.; G.D. Searle & Co., Corporate Patent Department, P.O. Box 5110, Chicago, IL 60680-5110 (US). (81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.
(54) Title: AROMATIC SULFONE HYDROXAMIC ACID METALLOPROTEASE INHIBITOR (57) Abstract A treatment process is disclosed that comprises administering an effective amount of an aromatic sulfone hydroxamic acid that exhibits excellent inhibitory activity of one or more matrix metalloprotease (MMP) enzymes, such as MMP-2, MMP-9 and MMP-13, while exhibiting substantially less inhibition at least of MMP-1 to a host having a condition associated with pathological matrix metalloprotease activity. Also disclosed are metalloprotease inhibitor compounds having those selective activities, processes for manufacture of such compounds and pharmaceutical compositions using an inhibitor. A contemplated compound corresponds in structure to formula (B).		