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(21) International Application Number: PCT/US00/02518 (22) International Filing Date: 22 February 2000 (22 02.00) (30) Priority Data: 09/256,948 24 February 1999 (24 02 99) US (71) Applicant (for all designated States except US): G.D. SEARLE & CO. [US/US]; Corporate Patent Department, 5200 Old Orchard Road, Skokie, IL 60077 (US) (72) Inventors; and (75) Inventors/Applicants (for US only): BARTA, Thomas, E. [US/US], 1133 Maple Avenue, 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, Tern, L. [US/US], 928 Cleta Drive, Ballwin, MO 63021 (US). CARROLL, Jeffery, N. [US/US], 13 Cheshire Court, Collinsville, IL 60223 (US). DE CRESCENZO, Gary, A. [US/US], 7345 Spruce Hill Court, St. Charles, MO 63304 (US). FOBIAN, Yvette, M. [US/US], 1260 Fiddle Creek Road, Labadie, 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). HANSON, Gunnar, J. [US/US]; 7410 Keystone Avenue, Skokie, IL 60076 (US). HOCKERMAN, Susan, L. [US/US]; 5319 W. Hutchingson, Chicago, IL 60641 (US). HOWARD, Susan, C. [US/US], 35 Worthy Court, Fenton, MO 63026 (US). KOLODZIEJ, Steve, A. [US/US]; 2448 Catjon Road, Ballwin, MO 63021 (US). LI, Hui [—/US], 322 Jefferson Court, Vernon Hills, IL 60061 (US). MISCHKE, Deborah, A. [US/US], 25 White River Lane, Defiance, MO 63341 (US). RICO, Joseph, G. [US/US]; 524 Wetherby Terrace Drive, Ballwin, 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 63306 (US). VERNIER, William, F. [FR/US]; 1535 G. Oak Forest Spur Drive, St. Louis, MO 63146 (US). VILLAMIL, Clara, I. [US/US]; 813 Long Road, Glenview, IL 60025 (US). RAO, Shashidhar, N. [IN/US]; 736 Bellerive Manor Drive, St. Louis, MO 63141 (US) (74) Agents: WARNER, James, M.; G.D. Searle & Co., Corporate Patent Department, 5200 Old Orchard Road, Skokie, IL 60077 (US) et al (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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 <i>With international search report</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
 *G00001* (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.  *162162*		

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