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(21) International Application Number: PCT/CA97/00137 ✓ (22) International Filing Date: 26 February 1997 (26.02.97) ✓ (30) Priority Data: 08/606,705 26 February 1996 (26.02.96) ✓ US (71) Applicant: APOTEX INC. [CA/CA]; 150 Signet Drive, Weston, Ontario M9L 1T9 (CA). (72) Inventors: KARIMIAN, Khashayar; 18 Pine Cliff Drive, Mississauga, Ontario L5N 1E3 (CA). TAM, Tim, F.; 155 Veneto Drive, Woodbridge, Ontario L4L 8X6 (CA). DESILETS, Denis; 891 Du Roussillon, Saint-Jean-sur-Richelieu, Quebec J3B 8N7 (CA). LEE, Sue; 208 Vista Drive, Cedar Knolls, NJ 07927 (US). CAPPELLETTO, Tullio; 123 Wyndale Drive, North York, Ontario M6L 1G6 (CA). LI, Warren; 10 Markbrooke Lane, No. 1811, Etobicoke, Ontario M9V 5E3 (CA). (74) Agent: GUARDIAN INTELLECTUAL PROPERTY SERVICES; 2103 Constance Drive, Oakville, Ontario L6J 5V1 (CA).	(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), 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 <i>With international search report.</i>	
(54) Title: PROCESS FOR SCAVENGING THIOLS		
(57) Abstract Thiols are trapped, and converted to disulfide compounds, by a process of reacting them with compounds containing a 1,2,4-thiadiazole ring structure carrying a substituent at position 3 of the thiadiazole ring, and being unsubstituted at position N-2. The process is useful pharmacologically, in inhibiting certain thiol-containing enzymes such as H ⁺ /K ⁺ -ATPase (the proton pump), and industrially, in selective removal of thiol compounds from gas or liquid mixtures.		