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(21) International Application Number: PCT/US96/19602 (22) International Filing Date: 19 December 1996 (19.12.96) (30) Priority Data: 08/575,561 20 December 1995 (20.12.95) US (71) Applicant: SCHERING CORPORATION [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US). (72) Inventors: LEONG, William; 705 Carleton Road, Westfield, NJ 07090 (US). SMITH, Lyman; 105 June Berry Court, Sterling, VA 20164 (US). (74) Agents: JEANETTE, Henry, C. et al.; Schering-Plough Corporation, Patent Dept. K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).		(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, ARIPO patent (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 PREPARATION OF HYDRAZIDES		
(1.0) (2.0) (2.1)		
(57) Abstract A process for producing a hydrazide of formula (1.0) is disclosed. The process comprises reacting a hydrazone of formula (2.0) or (2.1), wherein said hydrazone is in toluene, with a mixture of Grignard reagents, wherein said Grignard reagents are in a suitable organic solvent; wherein: (A) Z is a suitable carbonyl protecting group; (B) R is a suitable -OH protecting group; (C) R¹ is selected from: H, a non-enolizable alkyl, a non-enolizable substituted alkyl, aryl, substituted aryl, -S-aryl, -S-(substituted aryl), -S-alkyl, -S-(substituted alkyl), alkoxy, substituted alkoxy, aryloxy, or substituted aryloxy; (D) said mixture of Grignard reagents comprises R²MgX in admixture with R³MgX; (E) R² is a suitable alkyl, substituted alkyl, alkenyl, alkynyl, aryl, substituted aryl, or aralkyl group capable of adding to the -C=N group of the hydrazone to produce the hydrazide; (F) R³ is a suitable alkyl, substituted alkyl, aryl or substituted aryl group that is more sterically hindered than said R² group; (G) X is independently selected from Cl, Br or I for each Grignard reagent; (H) when said hydrazone is a compound of formula (2.0) then the reaction is conducted at a temperature of about +30 to about -40 °C; and (I) when said hydrazone is a compound of formula (2.1) then the reaction is conducted at a temperature of about +40 to about -20 °C.		