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(21) International Application Number: PCT/US99/14957 (22) International Filing Date: 1 June 1999 (01.06.99) (30) Priority Data: 60/092,944 15 July 1998 (15.07.98) US (71) Applicant: BRISTOL-MYERS SQUIBB COMPANY [US/US]; P.O. Box 4000, Princeton, NJ 08543-4000 (US). (72) Inventors: GODFREY, Jollie, D., Jr.; 16 Wickford Avenue, Trenton, NJ 08618 (US). KRONENTHAL, David, R.; 407 Lenape Lane, Yardley, PA 19067 (US). SCHWINDEN, Mark, D.; 1907 Hopkins Court, Holland, PA 18966 (US). SRIVASTAVA, Sushil, K.; 9 Kayann Drive, Dayton, NJ 08810 (US). RAMIG, Keith; 389 Lawn Ridge Road, Orange, NJ 07050 (US). VENIT, John, J.; 260 Dawes Road, North Brunswick, NJ 08902 (US). JASS, Paul, A.; 315 East Pleasant Grove Road, Jackson, NJ 08527 (US). RACHA, Saibaba; 408 Summerhaven Drive, East Syracuse, NY 13057 (US). DILLON, John, L., Jr.; 7309 Snowball Run, East Syracuse, NY 13057 (US). SOUNDARARAJAN, Nachimuthu; 10 Talia Road, Kendall Park, NJ 08824 (US). POWERS, Gerald, L.; 721 Cranbury Cross Road, North Brunswick, NJ 08902 (US). KOTNIS, Atul, S.; 16 Oxford Court, Kendall Park, NJ 08824 (US).		(74) Agents: DAVIS, Stephen, B. et al.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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 Without international search report and to be republished upon receipt of that report.	
(54) Title: PREPARATION OF (S)-2-AMINO-6,6-DIMETHOXYHEXANOIC ACID METHYL ESTER VIA NOVEL DIOXOLANES			
(I) (II) (III)			
(57) Abstract The glycineamide of formula (I) is reacted with the dioxolane of formula (II), wherein L is a leaving group such as iodo, bromo, alkylsulfonyloxy, or arylsulfonyloxy to give the dioxolane of formula (III). Treating the dioxolane of formula (III) under aqueous refluxing conditions followed by exchanging the dioxolane acetal with a dimethoxy acetal and introduction of the methyl ester gives (S)-2-amino-6,6-dimethoxyhexanoic acid, methyl ester which is an intermediate in the preparation of the dual inhibitor [4S-[4α(R*),7α,10αβ]]-octahydro-4-[(2-mercapto-2-oxo-3-phenylpropyl)-amino]-5-oxo-7H-pyrido[2,1-b][1,3]thiazepine-7-carboxylic acid. Also disclosed are storage stable salts of (S)-2-amino-6,6-dimethoxyhexanoic acid, methyl ester.			
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