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(21) International Application Number: PCT/CA96/00845 (22) International Filing Date: 13 December 1996 (13.12.96) (30) Priority Data: 9525606.1 ✓ 14 December 1995 (14.12.95) GB (71) Applicant (for all designated States except US): BIOCHEM PHARMA INC. [CA/CA]; 275 Armand-Frappier Boulevard, Laval, Quebec H7V 4A7 (CA). (72) Inventors; and (75) Inventors/Applicants (for US only): MANSOUR, Tarek [CA/CA]; Apartment 102, 3555 University Street, Montreal, Quebec H3A 2B1 (CA). CIMPOIA, Alex [CA/CA]; Apartment 22, 3550 Ridgewood Avenue, Montreal, Quebec H3V 1C2 (CA). BEDNARSKI, Krzysztof [CA/CA]; 237 Labri Avenue, Laval, Quebec H7N 5R6 (CA). (74) Agents: O'CONNOR, Edward, B. et al.; Scott & Aylen, 60 Queen Street, Ottawa, Ontario K1P 5Y7 (CA).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, 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, TJ, TM, TR, TT, UA, UG, US, 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> PCT + IPEA + Annexes + PF13 Amends	

(54) Title: METHOD AND COMPOSITIONS FOR THE SYNTHESIS OF DIOXOLANE NUCLEOSIDES WITH β -CONFIGURATION**(57) Abstract**

The present invention relates to methods and compositions for preparing biologically important nucleoside analogues containing 1,3-dioxolane sugar rings. In particular, this invention relates to the stereoselective synthesis of the beta (cis) isomer by glycosylating the base with an intermediate of formula (II) below a temperature of about -10°C , wherein R_1 and L are as defined herein.

