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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C07H 19/06	A1	(11) International Publication Number: WO 96/18637 (43) International Publication Date: 20 June 1996 (20.06.96)
(21) International Application Number: PCT/US95/14864 (22) International Filing Date: 14 November 1995 (14.11.95) (30) Priority Data: 08/355,372 ✓ 13 December 1994 (13.12.94) ✓ US (60) Parent Application or Grant (63) Related by Continuation US 08/355,372 (CON) Filed on 13 December 1994 (13.12.94) (71) Applicant (for all designated States except US): ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): BERGLUND, Richard, Alan [US/US]; 4208 Oak Hill Drive, Lafayette, IN 47905 (US). (74) Agent: LAMMERT, Steven, R.; Barnes & Thornburg, 1313 Merchants Bank Building, 11 South Meridian Street, Indianapolis, IN 46204 (US).		(81) Designated States: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, <u>SG</u> , SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report.</i>
(54) Title: PROCESS FOR PREPARING 1-(2'-DEOXY-2',2'-DIFLUORO-D-RIBOFURANOSYL-4-AMINOPYRIMIDIN-2-ONE) HYDROCHLORIDE (57) Abstract <p>This invention provides a process for preparing gemcitabine hydrochloride which comprises deblocking β-1-(2'-deoxy-2',2'-difluoro-3',5'-di-O-benzoyl-D-ribofuranosyl)-4-aminopyrimidin-2-one with a catalytic amount of an alkylamine in the presence of methanol or ethanol in an environment essentially free of water; treating the resulting solution with hydrochloric acid and an antisolvent; and recovering the resulting solid gemcitabine hydrochloride.</p>		