



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07D 209/02, 233/32, 233/54, 277/30, 291/00, 303/02, 303/08, 303/12, 303/36, 307/34, 317/46, 333/52, 333/72, 405/00, 405/02, 405/14, 409/00, 409/02, C07F 7/02, 9/06, 9/28	A1	(11) International Publication Number: WO 98/38164 (43) International Publication Date: 3 September 1998 (03.09.98)
(21) International Application Number: PCT/US98/03667 (22) International Filing Date: 25 February 1998 (25.02.98) (30) Priority Data: 60/039,114 26 February 1997 (26.02.97) US 60/039,116 26 February 1997 (26.02.97) US (71) Applicants (for all designated States except US): ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US). UNIVERSITY OF HAWAII [US/US]; Suite 280, 2800 Woodlawn Drive, Honolulu, HI 96822 (US). WAYNE STATE UNIVERSITY [US/US]; 4012 Faculty Administration Building, Detroit, MI 48202 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): HOARD, David, W. [US/US]; 440 David Drive, Greenwood, IN 46142 (US). MOHER, Eric, D. [US/US]; 4524 Pepper Court, Indianapolis, IN 46237 (US). NORMAN, Bryan, H. [US/US]; 8648 Admirals Bay Drive, Indianapolis, IN 46236 (US). PATEL,		(74) Agents: BOUDREAUX, William, R. et al.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US). (81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 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: SELECTIVE EPOXIDATION PROCESS FOR PREPARING PHARMACEUTICAL COMPOUNDS (57) Abstract Cryptophycin compounds possessing a β -epoxy moiety may be made with high stereoselectivity at various steps in the overall synthetic process. This invention also provides novel intermediates useful in preparing Cryptophycin compounds.		