2000429O-3
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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 305/14	A1	(11) International Publication Number: WO 99/45001
		(43) International Publication Date: 10 September 1999 (10.09.99)

(21) International Application Number: PCT/US99/03874

(22) International Filing Date: 23 February 1999 (23.02.99)

(30) Priority Data:
60/076,493 2 March 1998 (02.03.98) US

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(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, GH, GM, HU, ID, 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, SL, TJ, TM, TR, TT, UA, UG, 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), 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
With international search report.

(54) Title: SYNTHESIS OF PACLITAXEL BACCATIN III BY PROTECTING THE 7-HYDROXYL USING A STRONG BASE AND AN ELECTROPHILE

(57) Abstract

Process for synthesizing paclitaxel by treating baccatin III with a strong base in a solvent, adding an electrophile to the solution to form a 7-O-protected baccatin III derivative, reacting the 7-O-protected baccatin III derivative with a protected paclitaxel sidechain in a solvent such that the protected paclitaxel sidechain is coupled to the 13-hydroxyl of the 7-O-protected baccatin III, and subsequently deprotecting the protected paclitaxel sidechain and the 7-O protecting group to form paclitaxel, and intermediates used therein.