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(21) International Application Number: PCT/US97/01676 (22) International Filing Date: 11 February 1997 (11.02.97) (30) Priority Data: 60/011,452 12 February 1996 (12.02.96) US 60/032,161 1 October 1996 (01.10.96) US (71) Applicant (for all designated States except US): RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY [US/US]; Old Queens Building, Somerset and George Streets, New Brunswick, NJ 08903 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): LAVOIE, Edmond, J. [US/US]; 3 Guilford Court, Princeton Junction, NJ 08550 (US). (74) Agent: VIKSNINS, Ann, S.; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (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, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU, 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 With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
(54) Title: CORALYNE ANALOGS AS TOPOISOMERASE INHIBITORS (57) Abstract The present invention provides protoberberine alkaloid derivatives useful as anticancer agents, and methods of use thereof. The invention also provides protoberberine derivatives useful as topoisomerase inhibitors. The invention further provides coralyne and nitidine derivatives which are topoisomerase I-targeted therapeutics effective against camptothecin resistant cancer cells, and are especially effective against CNS tumors.		