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(21) International Application Number: PCT/US98/02205 (22) International Filing Date: 4 February 1998 (04.02.98) (30) Priority Data: 08/794,957 4 February 1997 (04.02.97) US (71) Applicant: THE LIPOSOME COMPANY, INC. [US/US]; Princeton Forrestal Center, One Research Way, Princeton, NJ 08540 (US). (72) Inventors: BITTMAN, Robert; 1 Corncrib Lane, Roslyn Heights, NY 11577 (US). LEUNG, Lawrence; 144-67 41st Avenue, Flushing, NY 11355 (US). (74) Agent: RUBIN, Kenneth, B.; The Liposome Company, Inc., Princeton Forrestal Center, One Research Way, Princeton, NJ 08540 (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, GH, GM, GW, 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, 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> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: NOVEL SYNTHESIS OF MYO-INOSITOL PHOSPHATES (57) Abstract Provided herein are novel syntheses of the phosphate-based inositol derivatives 1-O-[(+)-menthoxycarbonyl]-6-O-benzyl-2,3:4,5-di-O-isopropylidene-myo-inositol (D4P), D-myo-inositol 1,4,5-triphosphate (D-IP ₃), 6-O-benzyl-2,3:4,5-di-O-isopropylidene-myo-inositol H-phosphonate (3-HP) and L-myo-inositol 1,4,5-triphosphate (L-IP ₃). These syntheses employ fewer column chromatography steps for the isolation of intermediates than do prior art syntheses, and hence, are more convenient, economical and efficient than are the previously known synthetic methods.		