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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61K 47/14, 47/28

A2

(11) International Publication Number: WO 00/61189

(43) International Publication Date: 19 October 2000 (19.10.00)

(21) International Application Number: PCT/CA00/00076

(22) International Filing Date: 3 February 2000 (03.02.00)

(30) Priority Data:
09/285,244 2 April 1999 (02.04.99) US

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(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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
Without international search report and to be republished upon receipt of that report.

(54) Title: WATER–SOLUBLE COMPOSITIONS OF BIOACTIVE LIPOPHILIC COMPOUNDS

(57) Abstract

Water–soluble compositions comprising a lipophilic compound and a solubilizing agent of the general formula (I): $\{X–OOC–[(CH_2)_n–COO]_m\}_p–Y$, wherein: X is a residue of a hydrophobic moiety, Y is a residue of a hydrophilic moiety, p is 1 or 2, m is 0 or 1, and n is an integer greater than or equal to 0 are disclosed. The lipophilic compound is preferably selected from the group consisting of water–insoluble ubiquinones, ubiquinols, vitamins, provitamins, polyene macrolide antibiotics, and mixtures thereof. The hydrophobic moiety is preferably a sterol or a tocopherol and the hydrophilic moiety is preferably a polyalkylene glycol. In preferred embodiments, the sterol is cholesterol or sitosterol, the tocopherol is a–(+)–tocopherol, the polyalkylene glycol is a polyethylene glycol or its methyl monoether having an average molecular weight between 600 and 1000, p is equal to 1 or 2, m is equal to 0 or 1 and n is an integer between 2 and 18.