*NO COVER LETTER

RTMP

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 9/107

A1

(11) International Publication Number: WO 97/09964

(43) International Publication Date: 20 March 1997 (20.03.97)

(21) International Application Number: PCT/SE96/01097

(22) International Filing Date: 4 September 1996 (04.09.96)

(30) Priority Data:
9503143-1 12 September 1995 (12.09.95) SE

(71) Applicant *(for all designated States except US)*: ASTRA AKTIEBOLAG [SE/SE]; S-151 85 Södertälje (SE).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: VON CORSWANT, Christian [SE/SE]; Ringleken 14, S-431 69 Mölndal (SE).

(74) Agent: ASTRA AKTIEBOLAG; Patent Dept., S-151 85 Södertälje (SE).

(81) Designated States: AL, AM, AT, AU, AZ, 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, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, 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.

(54) Title: MICROEMULSIONS FOR USE AS VEHICLES FOR ADMINISTRATION OF ACTIVE COMPOUNDS

(57) Abstract

A non-toxic oil-in-water or bicontinuous microemulsion as a vehicle for administration of one or more active compounds having a low solubility in water, which microemulsion contains: a polar phase containing water and optionally an agent for obtaining isotonic conditions, and one or more components (modifiers) for adjusting the polarity of the polar phase; a surfactant film modifier; a non-polar phase consisting of at least one pharmaceutically acceptable oil; and a mixture of a hydrophilic surfactant and a hydrophobic surfactant up to 15 % by weight of the total microemulsion, wherein the hydrophobic surfactant is chosen from a group consisting of lecithin, sphingolipids or galacto lipids.