(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 August 2009 (27.08.2009)

PCT

(10) International Publication Number
WO 2009/105792 A1

(51) International Patent Classification:
A61K 9/51 (2006.01)

(21) International Application Number:
PCT/ZA2008/000012

(22) International Filing Date:
18 February 2008 (18.02.2008)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *with amended claims (Art. 19(1))*

(54) **Title**: NANOPARTICLE CARRIERS FOR DRUG ADMINISTRATION AND PROCESS FOR PRODUCING SAME

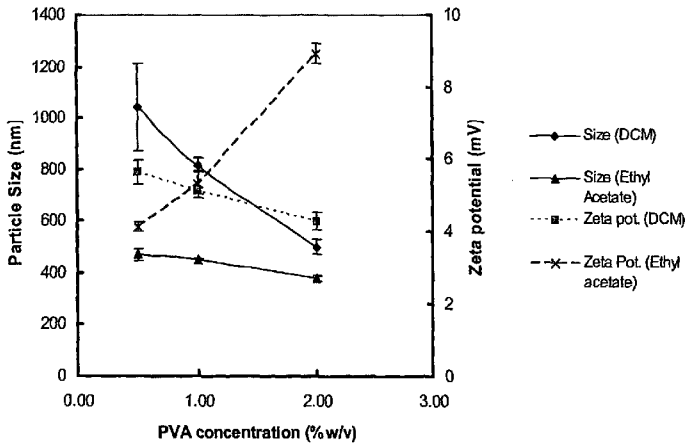


Figure 2. Size and zeta potential vs. PVA concentration for formulations where lactose was used without Surfynol 104 PG-50 ™and PEG.

(57) **Abstract**: The invention provides a process for the production of nanoparticle carriers for drug delivery, said nanoparticles being produced by preparing a double emulsion of water-oil-water including one or more polymer which forms the basis of the nanoparticle carrier, blending the drug to be delivered into one of the emulsion phases, doping either the oil-phase or the outer-water phase with a carbohydrate, and spray drying the emulsion to form nanoparticles of a narrow particle size distribution of 100 nm to 1000 nm, which nanoparticles are substantially spherical.

WO 2009/105792 A1