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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 June 2012 (21.06.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/080176 A2

(51) **International Patent Classification**:
A61K 9/00 (2006.01)

(21) **International Application Number**:
PCT/EP2011/072463

(22) **International Filing Date**:
12 December 2011 (12.12.2011)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/422,499 13 December 2010 (13.12.2010) US
PCT/IB2011/000319
18 February 2011 (18.02.2011) IB
PCT/IB2011/000653 25 March 2011 (25.03.2011) IB

(71) **Applicants** *(for all designated States except US)*: **NOVARTIS AG** [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH). **DEBIOPHARM S.A.** [CH/CH]; Forum "apres-demain", Chemin Messidor 5-7, CH-5911-1002 Lausanne (CH).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **GONCALVES, Elisabete** [PT/CH]; c/o Novartis Pharma AG, Postfach, CH-4002 Basel (CH). **RAPP, Karin** [DE/CH]; c/o Novartis Pharma AG, Postfach, CH-4002 Basel (CH). **SUTTER, Bertrand** [FR/CH]; c/o Novartis Pharma AG, Postfach, CH-4002 Basel (CH). **STOWASSER, Frank** [DE/CH]; c/o Novartis Pharma AG, Postfach, CH-4002 Basel (CH). **TRUPP, Bjoern** [DE/CH]; c/o Novartis Pharma AG, Postfach, CH-4002 Basel (CH). **CHABAUT, Sebastian** [FR/CH]; c/o Debiopharm S.A., Forum "apres-demain", Chemin Messidor 5-7, CH-5911-1002 Lausanne (CH). **THORENS, Julien** [FR/CH]; c/o Debiopharm S.A., Forum "apres-demain", Chemin Messidor 5-7, CH-5911-1002 Lausanne (CH).

(74) **Agent**: **LEON, Susanna**; Novartis Pharma AG, Patent Department, CH-4002 Basel (CH).

(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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

WO 2012/080176 A2

(54) **Title**: PHARMACEUTICAL COMPOSITIONS

(57) **Abstract**: The invention provides lipid-based pharmaceutical compositions comprising alisporivir.