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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
31 May 2012 (31.05.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/069591 A1

(51) International Patent Classification:
A61K 47/48 (2006.01) *A61K 31/35* (2006.01)
A61K 9/00 (2006.01)

(21) International Application Number:
PCT/EP2011/070951

(22) International Filing Date:
24 November 2011 (24.11.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10192497.5 25 November 2010 (25.11.2010) EP

(71) Applicant *(for all designated States except US)*: **AOP ORPHAN PHARMACEUTICALS AG** [AT/AT]; Wilhelminenstr: 91/II f, A-1160 Vienna (AT).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **VIERNSTEIN, Helmut** [AT/AT]; Gymnasiumstr. 26/18, A-1180 Wien (AT). **TOEGEL, Stefan** [AT/AT]; Kressg. 27/1, A-3013 Tullnerbach (AT). **SCHUELLER, Regina** [AT/AT]; Piaristeng. 25/5, A-1080 Wien (AT).

(74) Agents: **LOIDL, Manuela** et al.; REDL Life Science Patent Attorneys, Donau-City-Straße 1, A-1220 Vienna (AT).

(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:

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

WO 2012/069591 A1

(54) Title: FAST DISINTEGRATING COMPOSITIONS COMPRISING NABILONE AND RANDOMLY METHYLATED BETA CYCLODEXTRIN

(57) Abstract: The present invention provides a novel composition comprising Nabilone and randomly methylated ß-cyclodextrin (RAMEB), wherein the weight ratio (dry weight to dry weight) between Nabilone and RAMEB is about 1:60 - 1:140. The present invention further provides methods for increasing the bioavailability of Nabilone.