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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 May 2013 (02.05.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/060668 A1

(51) International Patent Classification:
A61K 31/04 (2006.01) *A61P 25/28* (2006.01)
A61K 31/275 (2006.01)

(21) International Application Number:
PCT/EP2012/070945

(22) International Filing Date:
23 October 2012 (23.10.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11382326.4 24 October 2011 (24.10.2011) EP

(71) Applicant: **SOM INNOVATION BIOTECH, S.L.** [ES/ES]; Baldiri Reixac, 4, E-08028 Barcelona (ES).

(72) Inventors: **CENTELLAS CASADO, Marc**; C. Ticià, 2, bajo, E-08023 Barcelona (ES). **INSA BORONAT, Raúl**; C. Rosa Sensat, 27, B 1ª, E-08005 Barcelona (ES). **REIG BOLAÑO, Nuria**; Francisco Giner, 13, entr. 1ª, E-08021 Barcelona (ES). **GAVALDÀ BATALLA, Núria**; Melcior de Palau, 31, 2º-2º, E-08028 Barcelona (ES).

(74) Agent: **ZBM PATENTS- ZEA, BARLOCCI & MARK-VARDSEN**; Pl. Catalunya, 1, E-08002 Barcelona (ES).

(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, BN, 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, PA, 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, 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).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

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

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

WO 2013/060668 A1

(54) Title: NEW THERAPY FOR TRANSTHYRETIN-ASSOCIATED AMYLOIDOSIS

(57) Abstract: It is provided a catechol-O-methyltransferase (COMT) inhibitor for use in the prevention and/or treatment of transthyretin-associated amyloidosis. It is also provided a catechol-O-methyltransferase (COMT) inhibitor for use in the prevention and/or treatment of transthyretin-associated amyloidosis in combination therapy with another COMT inhibitor, a benzoxazole derivative, iododiflunisal, diflunisal, resveratrol, tauroursodeoxycholic acid, doxocycline, or epigallocatechin-3-gallate.