

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 March 2024 (07.03.2024)



(10) International Publication Number
WO 2024/047227 A1

(51) International Patent Classification:

A61P 9/00 (2006.01)	C07D 263/58 (2006.01)
A61P 9/04 (2006.01)	C07D 265/36 (2006.01)
A61P 9/10 (2006.01)	C07D 307/78 (2006.01)
A61P 25/00 (2006.01)	C07D 307/87 (2006.01)
A61P 25/16 (2006.01)	C07D 311/76 (2006.01)
A61P 25/18 (2006.01)	C07D 317/58 (2006.01)
A61P 27/16 (2006.01)	C07D 319/18 (2006.01)
A61P 35/00 (2006.01)	C07D 491/052 (2006.01)
C07C 229/14 (2006.01)	C07D 491/056 (2006.01)
C07D 213/36 (2006.01)	A61K 31/353 (2006.01)
C07D 215/06 (2006.01)	A61K 31/47 (2006.01)
C07D 215/227 (2006.01)	A61K 31/538 (2006.01)
C07D 249/08 (2006.01)	A61K 31/557 (2006.01)

(21) International Application Number:

PCT/EP2023/074028

(22) International Filing Date:

01 September 2023 (01.09.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22193792.3 02 September 2022 (02.09.2022) EP

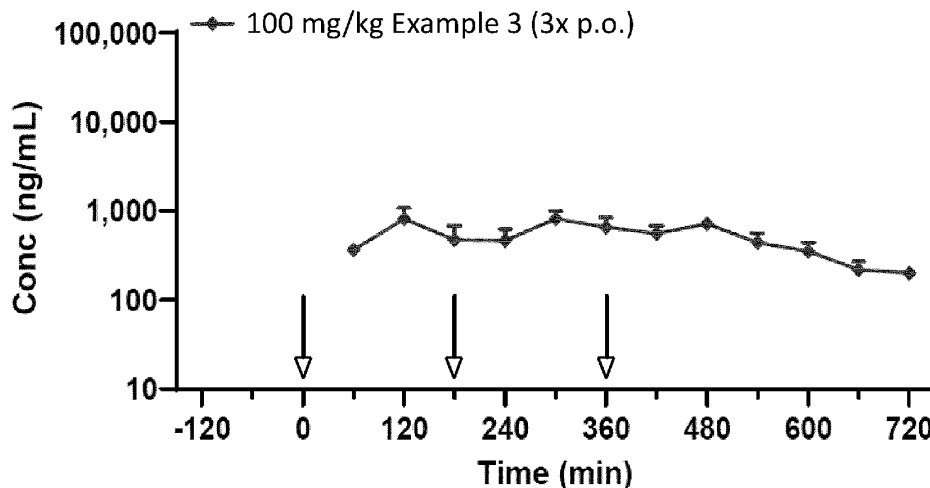
(71) Applicant: INSUSENSE APS [DK/DK]; Scherfigsvej 7, DK-2100 Kobenhavn (DK).

(72) Inventors: LITTLE, Paul Brian; DK-2100 Copenhagen (DK). CASES-THOMAS, Manuel Javier; DK-2100 Copenhagen (DK). KJØLBY, Mads Fuglsang; DK-2100 Copenhagen (DK). NYKJÆR, Anders; DK-2100 Copenhagen (DK).

(74) Agent: GILL JENNINGS & EVERY LLP; The Broadgate Tower, 20 Primrose Street, London EC2A 2ES (GB).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) Title: SORTILIN MODULATORS



(57) Abstract: The present invention relates to compounds of Formula (I) and (II) or a pharmaceutically acceptable salt, solvate, hydrate, tautomer, optical isomer, N-oxide, and/or prodrug thereof. The present invention also relates to pharmaceutical compositions comprising the compounds of the invention, and to their use in the treatment or prevention of medical conditions in which modulation of sortilin is beneficial.

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))