

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
01 October 2020 (01.10.2020)



(10) International Publication Number
WO 2020/193419 A1

(51) International Patent Classification:

C07D 205/04 (2006.01) A61P 1/00 (2006.01)
C07C 271/24 (2006.01) A61K 31/132 (2006.01)
C07C 311/07 (2006.01) A61K 31/18 (2006.01)
C07C 211/40 (2006.01) A61K 31/27 (2006.01)
C07C 233/62 (2006.01) A61K 31/397 (2006.01)
C07D 265/30 (2006.01) A61K 31/4025 (2006.01)
C07D 207/09 (2006.01) A61K 31/44 (2006.01)
C07D 213/61 (2006.01)

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,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(21) International Application Number:

PCT/EP2020/057816

(22) International Filing Date:

20 March 2020 (20.03.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

19164637.1 22 March 2019 (22.03.2019) EP

(71) Applicant: SANIONA A/S [DK/DK]; Baltorpevej 154,
2750 Ballerup (DK).

(72) Inventors: BROWN, David, Tristram; c/o Saniona A/
S Baltorpevej 154, 2750 Ballerup (DK). CHRISTO-
PHERSEN, Palle; C/O Saniona A/S Baltorpevej 154, 2750
Ballerup (DK). JACOBSEN, Thomas, Amos; C/O San-
iona A/S Baltorpevej 154, 2750 Ballerup (DK). LARSEN,
Janus, S.; c/o Saniona Baltorpevej 154, 2750 Ballerup (DK).
POULSEN, Pernille, Hartveit; c/o Saniona A/S Baltor-
pevej 154, 2750 Ballerup (DK). STRØBÆK, Dorte; c/o
Saniona A/S Baltorpevej 154, 2750 Ballerup (DK).

(74) Agent: HØIBERG P/S; Adelgade 12, 1304 Copenhagen K
(DK).

(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, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, 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, 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.

(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, 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,

(54) Title: NOVEL POTASSIUM CHANNEL INHIBITORS

(57) Abstract: The present invention relates to novel compounds, pharmaceutical compositions comprising such compounds and their use for treating, alleviating or preventing diseases or disorders relating to the activity of potassium channels.



WO 2020/193419 A1