

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
28 September 2023 (28.09.2023)



(10) International Publication Number
WO 2023/180575 A1

(51) International Patent Classification:

A61K 9/00 (2006.01) *A61P 7/00* (2006.01)
A61K 9/14 (2006.01) *A61P 17/00* (2006.01)
A61K 9/20 (2006.01) *A61P 1/00* (2006.01)
A61K 31/4375 (2006.01)

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.

(21) International Application Number:

PCT/EP2023/057791

(22) International Filing Date:

27 March 2023 (27.03.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22164462.8 25 March 2022 (25.03.2022) EP

(71) Applicant: PHARVARIS GMBH [CH/CH]; Grafenauweg 8, 6300 Zug (CH).

(72) Inventor: GIBSON, Christoph; c/o Pharvaris GmbH, Grafenauweg 8, 6300 Zug (CH).

(74) Agent: WALTER, Kai U.; Paustian & Partner Patentanwälte mbB, Oberanger 32, 80331 Munich (DE).

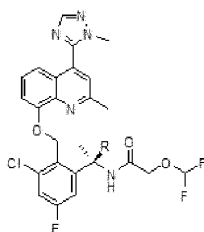
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, 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,

(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))
— in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(54) Title: SOLID COMPOSITION COMPRISING SOLUBILISED BRADYKININ B2-RECEPTOR ANTAGONISTS



(1)

(57) Abstract: The invention relates to solid dispersions for oral administration comprising a bradykinin B2 receptor antagonist having a chemical structure according to Formula (1), or a salt or solvate thereof, wherein R is deuterium or hydrogen: Formula (1) such as (S)-/V-(1-deutero-1-(3-chloro-5-fluoro-2-((2-methyl-4-(1-methyl-1H-1,2,4-triazol-5-yl)quinolin-8-yloxy)methyl)phenyl)ethyl)-2-(di-fluoromethoxy)acetamide. The solid dispersions comprise the BK B2 receptor antagonist in the amorphous form and homogeneously dispersed in a pharmaceutically acceptable polymer. Furthermore, methods for preparation and uses of the solid dispersions, including therapeutic uses, are provided.



WO 2023/180575 A1