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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 September 2021 (10.09.2021)

WIPO | PCT

(10) International Publication Number
WO 2021/178296 A1

(51) International Patent Classification:
A61P 35/00 (2006.01) *C07K 16/28* (2006.01)
C07D 498/16 (2006.01)

(21) International Application Number:
PCT/US2021/020255

(22) International Filing Date:
01 March 2021 (01.03.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/984,159 02 March 2020 (02.03.2020) US

(71) Applicant: **TURNING POINT THERAPEUTICS, INC.** [US/US]; 10628 Science Center Drive, Suite 200, San Diego, CA 92121 (US).

(72) Inventors: **MURRAY, Brion, William**; 10628 Science Center Drive, Suite 200, San Diego, CA 92121 (US). **ZHAI, Dayong**; 10628 Science Center Drive, Suite 200, San Diego, CA 92121 (US). **CUI, Jingrong, J.**; 10628 Science Center Drive, Suite 200, San Diego, CA 92121 (US).

(74) Agent: **PINO, Mark** et al.; Mintz Levin Cohn Ferris Glovsky & Popeo, P.C., One Financial Center, Boston, MA 02111 (US).

(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, IT, 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, 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:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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

WO 2021/178296 A1

(54) Title: THERAPEUTIC USES OF MACROCYCLIC COMPOUNDS

(57) Abstract: This disclosure relates to the use of certain diaryl macrocycle compounds in the treatment of disease in mammals. This disclosure also relates to compositions including such compounds, and to methods of using such compositions in the treatment of diseases in mammals, especially in humans.