

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 May 2022 (27.05.2022)



(10) International Publication Number
WO 2022/108931 A2

(51) International Patent Classification:

C07K 16/28 (2006.01) A61K 39/395 (2006.01)
A61K 31/517 (2006.01) A61P 35/00 (2006.01)

Published:

— without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(21) International Application Number:

PCT/US2021/059534

(22) International Filing Date:

16 November 2021 (16.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/114,797 17 November 2020 (17.11.2020) US

(71) Applicants: **SEAGEN INC.** [US/US]; 21823 30th Drive SE, Bothell, Washington 98021 (US). **PETER MAC-CALLUM CANCER INSTITUTE** [AU/AU]; 305 Grattan Street, Melbourne, Victoria 3000 (AU).

(72) Inventors: **PETERSON, Scott**; c/o Seagen Inc., 21823 30th Drive SE, Bothell, Washington 98021 (US). **LOI, Sherene**; 42 St. John's Ave., Camberwell, Victoria 3124 (AU).

(74) Agent: **FRAUSTO, Stephen Diego** et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, California 94304 (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:

— of inventorship (Rule 4.17(iv))

(54) Title: METHODS OF TREATING CANCER WITH A COMBINATION OF TUCATINIB AND AN ANTI-PD-1/ANTI-PD-L1 ANTIBODY

(57) Abstract: The invention provides methods of treating solid tumors with a combination of tucatinib, or salt or solvate thereof, and an anti-PD-1 antibody, or an antigen-binding fragment thereof. The invention also provides methods of treating solid tumors with a combination of tucatinib, or salt or solvate thereof, and an anti-PD-L1 antibody, or an antigen-binding fragment thereof.

WO 2022/108931 A2