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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 November 2022 (10.11.2022)

WIPO | PCT

(10) International Publication Number
WO 2022/235815 A1

(51) International Patent Classification:
C07D 471/04 (2006.01) *C07D 403/14* (2006.01)
A61K 31/4545 (2006.01) *A61P 35/00* (2006.01)
C07D 401/14 (2006.01) *C07D 487/04* (2006.01)

(21) International Application Number:
PCT/US2022/027693

(22) International Filing Date:
04 May 2022 (04.05.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/184,697 05 May 2021 (05.05.2021) US
63/320,991 17 March 2022 (17.03.2022) US

(71) Applicant: **HUABIO INTERNATIONAL, LLC** [US/US]; 12531 High Bluff Drive, Suite 138, San Diego, California 92130 (US).

(72) Inventors: **SHOJAEI, Farbod**; 12531 High Bluff Drive, Suite 138, San Diego, California 92130 (US). **RICONO, Jill M.**; 12531 High Bluff Drive, Suite 138, San Diego, California 92130 (US). **GOODENOW, Robert**; 12531 High Bluff Drive, Suite 138, San Diego, California 92130 (US). **GILLINGS, Mireille**; 12531 High Bluff Drive, Suite 138, San Diego, California 92130 (US).

(74) Agent: **PEDNEKAR, VARSHA**; EVERSHEDS SUTHERLAND (US) LLP, 12255 El Camino Real, Suite 100, San Diego, California 92130 (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, IQ, IR, IS, IT, JM, 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).

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

WO 2022/235815 A1

(54) Title: COMBINATION THERAPIES COMPRISING SHP2 INHIBITORS AND EGFR TYROSINE KINASE INHIBITORS

(57) Abstract: Provided herein are combinations and pharmaceutical composition that include a SHP2 inhibitor and an EGFR TKI and methods for preventing or treating nonreceptor protein tyrosine phosphatase-mediated or dependent diseases or conditions, including methods of treating cancer comprising administering to the patient a combination comprising a therapeutically effective amount of a SHP2 inhibitor and EGFR TKI.