

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 November 2021 (18.11.2021)

WIPO | PCT

(10) International Publication Number

WO 2021/231474 A9

(51) International Patent Classification:

A61K 31/404 (2006.01) C07D 209/14 (2006.01)

(21) International Application Number:

PCT/US2021/031838

(22) International Filing Date:

11 May 2021 (11.05.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/023,601 12 May 2020 (12.05.2020) US

(71) Applicant: PMV PHARMACEUTICALS, INC.

[US/US]; 8 Clarke Drive, Cranbury, New Jersey 08512 (US).

(72) Inventors: VU, Binh; 8 Clarke Drive, Cranbury, New Jersey 08512 (US).

DOMINIQUE, Romyr; 8 Clarke Drive, Cranbury, New Jersey 08512 (US). LI, Hongju; 8 Clarke

Drive, Cranbury, New Jersey 08512 (US). FAHR, Bruce; 8 Clarke Drive, Cranbury, New Jersey 08512 (US). GOOD, Andrew; 8 Clarke Drive, Cranbury, New Jersey 08512 (US).

(74) Agent: OH, Young-In Julia; WILSON SONSINI GOODRICH & ROSATI, 650 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.

(54) Title: METHODS AND COMPOUNDS FOR RESTORING MUTANT p53 FUNCTION

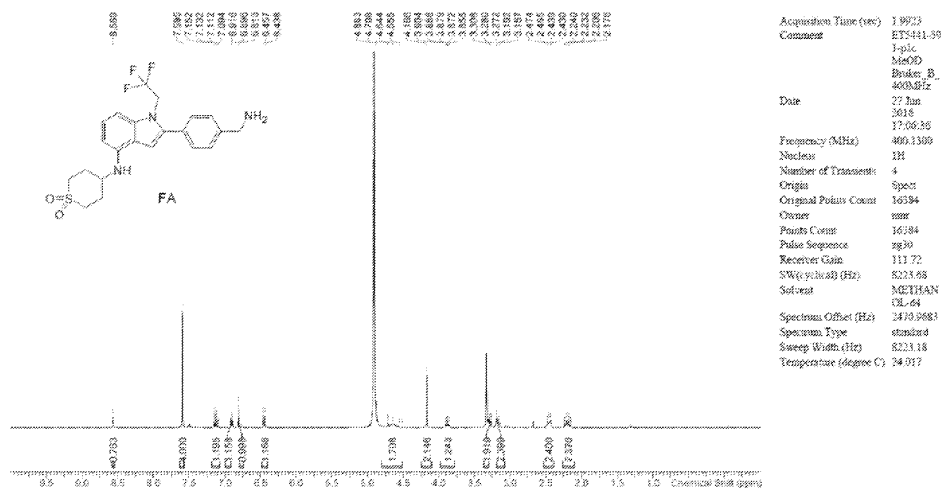


FIG. 1

(57) Abstract: Mutations in oncogenes and tumor suppressors contribute to the development and progression of cancer. The present disclosure describes compounds and methods to recover wild-type function to p53 mutants. The compounds of the present disclosure can bind to mutant p53 and restore the ability of the p53 mutant to bind DNA and activate downstream effectors involved in tumor suppression. The disclosed compounds can be used to reduce the progression of cancers that contain a p53 mutation.

[Continued on next page]

(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))*

Published:

- *with international search report (Art. 21(3))*
- *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the revised international search report:

13 January 2022 (13.01.2022)

(15) Information about Correction:

see Notice of 13 January 2022 (13.01.2022)