

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

(19) World Intellectual Property  
Organization

International Bureau

(43) International Publication Date  
10 March 2022 (10.03.2022)



(10) International Publication Number  
**WO 2022/051670 A1**

(51) International Patent Classification:

C07D 403/06 (2006.01) A61P 25/24 (2006.01)  
C07F 9/00 (2006.01) A61P 25/30 (2006.01)  
A61P 25/22 (2006.01) A61K 31/4045 (2006.01)

(21) International Application Number:

PCT/US2021/049149

(22) International Filing Date:

03 September 2021 (03.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

63/074,557 04 September 2020 (04.09.2020) US

(71) Applicant: **GILGAMESH PHARMACEUTICALS, INC.** [US/US]; 113 University Place, Suite 1019, New York, New York 10003 (US).

(72) Inventor: **KRUEGEL, Andrew Carry**; 113 University Place, Suite 1019, New York, New York 10003 (US).

(74) Agent: **HALEY, Christopher Keating et al.**; Goodwin Procter LLP, 100 Northern Avenue/IP Docketing 7th fl, Boston, Massachusetts 02210 (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).

Published:

— with international search report (Art. 21(3))

(54) Title: AZETIDINYL TRYPTAMINES AND METHODS OF TREATING PSYCHIATRIC DISORDERS

(57) Abstract: The present disclosure includes azetidiny1 tryptamines and methods of treating psychiatric disorders with such compounds. Also provided are pharmaceutical compositions that include azetidiny1 tryptamines.



WO 2022/051670 A1