

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
24 October 2024 (24.10.2024)



(10) International Publication Number  
**WO 2024/220633 A1**

(51) International Patent Classification:

C07D 513/04 (2006.01) A61P 29/00 (2006.01)  
C07D 519/00 (2006.01) A61K 31/4353 (2006.01)  
A61P 25/00 (2006.01)

DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,  
LU, LV, MC, ME, 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).

(21) International Application Number:

PCT/US2024/025144

Published:

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

(22) International Filing Date:

18 April 2024 (18.04.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/496,806 18 April 2023 (18.04.2023) US  
63/610,184 14 December 2023 (14.12.2023) US

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(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, CV, 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, MG, MK, MN, MU, 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, CV,  
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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,

(54) Title: PYRROLOPYRIDINE DERIVATIVES AS POSITIVE ALLOSTERIC MODULATORS OF THE MUSCARINIC  
ACETYLCHOLINE RECEPTOR M4

(57) Abstract: 6,7-Dihydrothiazolo[5,4-c]pyridines substituted in the 5-position with 6,7-dihydro-5H-pyrrolo[3,4-b]pyridin-5-ones or  
furo[3,4-b]pyridin-5(7H)-ones are positive allosteric modulators of the muscarinic acetylcholine receptor M<sub>4</sub> (mAChR M<sub>4</sub>) and may  
have use in treating neurological and psychiatric disorders associated with muscarinic acetylcholine receptor dysfunction.

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