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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 August 2025 (28.08.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/176104 A1

(51) International Patent Classification:
C07D 401/14 (2006.01) *C07D 417/12* (2006.01)
C07D 417/14 (2006.01) *A61P 25/28* (2006.01)
C07D 401/12 (2006.01) *A61K 31/444* (2006.01)

(21) International Application Number:
PCT/CN2025/077757

(22) International Filing Date:
18 February 2025 (18.02.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/CN2024/077492
19 February 2024 (19.02.2024) CN

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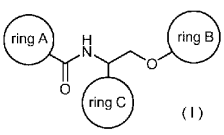
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, 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, UY, 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, 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).

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

WO 2025/176104 A1

(54) Title: HETEROCYCLIC DERIVATIVES HAVING S1P3 RECEPTOR ANTAGONISTIC ACTIVITY



(I)

(57) Abstract: A compound of formula (I) or a pharmaceutically acceptable salt thereof is provided, which is useful as a pharmaceutical ingredient having $S1P_3$ receptor antagonistic activity in the prevention and/or treatment an $S1P_3$-mediated disease, wherein all symbols represent the same meaning as the symbols described in the specification. A drug is also provided, which containing, as an active ingredient, a compound having $S1P_3$ receptor antagonistic activity in the prevention and/or treatment an $S1P_3$-mediated disease.