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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 October 2025 (16.10.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/217420 A1

(51) International Patent Classification:
C07D 213/82 (2006.01) *A61P 35/00* (2006.01)
A61K 31/4418 (2006.01) *C07D 401/04* (2006.01)
A61K 31/443 (2006.01) *C07D 405/04* (2006.01)
A61K 31/4433 (2006.01) *C07D 405/14* (2006.01)
A61K 31/4439 (2006.01) *C07D 417/04* (2006.01)
A61K 31/444 (2006.01)

(21) International Application Number:
PCT/US2025/024102

(22) International Filing Date:
10 April 2025 (10.04.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

63/632,946	11 April 2024 (11.04.2024)	US
63/675,151	24 July 2024 (24.07.2024)	US
63/683,078	14 August 2024 (14.08.2024)	US
63/736,199	19 December 2024 (19.12.2024)	US

(71) Applicant: **ZENO MANAGEMENT, INC.** [US/US]; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US).

(72) Inventors: **PERRIN, Sophie, M.**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **BOREN, Brant, Clayton**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **LEE, Christian, Cho-Hua**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **ROWBOTTOM, Martin, W.**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **AL-AMIN, Mohammad**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **DO, Quyen-Quyen, Thuy**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **KIM, Jin, Kwang**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **HAN, Xiaojun**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US). **WANG, Zhipeng**; 10275 Science Center Drive, Suite 200, San Diego, California 92121 (US).

(74) Agent: **MILLER, Kimberly, J.**; Knobbe, Martens, Olson & Bear, LLP , 2040 Main Street, 14th Floor, Irvine, California 92614 (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, 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.

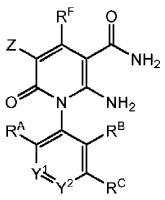
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, 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).

Declarations under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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

WO 2025/217420 A1

(54) Title: PYRIDINONE COMPOUNDS, METHODS AND USES THEREOF



Formula (I')

(57) Abstract: Compounds of general Formula (I) (including pharmaceutically acceptable salts thereof) are provided herein. Such compounds, as well as pharmaceutically acceptable salts and compositions thereof, are useful for treating diseases or conditions, including conditions characterized by excessive cellular proliferation, such as cancer.