

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 August 2025 (07.08.2025)



(10) International Publication Number
WO 2025/166124 A1

(51) International Patent Classification:

C07D 417/14 (2006.01) C07D 413/12 (2006.01)
C07D 239/48 (2006.01) A61K 31/425 (2006.01)
C07D 401/12 (2006.01) A61K 31/433 (2006.01)
C07D 403/12 (2006.01) A61K 31/506 (2006.01)

(21) International Application Number:

PCT/US2025/013975

(22) International Filing Date:

31 January 2025 (31.01.2025)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/549,095 02 February 2024 (02.02.2024) US
63/715,179 01 November 2024 (01.11.2024) US

(71) Applicant: **DECIPHERA PHARMACEUTICALS, LLC** [US/US]; 200 Smith Street, Waltham, Massachusetts 02451 (US).

(72) Inventors: **STUEVEN, Kristen L.**; 200 Smith Street, Waltham, Massachusetts 02451 (US). **AHN, Yu Mi**; 200 Smith Street, Waltham, Massachusetts 02451 (US). **FLYNN, Daniel L.**; 200 Smith Street, Waltham, Massachusetts 02451 (US). **HARNED, Andrew M.**; 200 Smith Street, Waltham, Massachusetts 02451 (US). **FAISAL, Saqib**; 200 Smith Street, Waltham, Massachusetts 02451 (US). **PICARD, Hunter**; 200 Smith Street, Waltham, Massachusetts 02451 (US).

(74) Agent: **GUTIERREZ, Gregory** et al.; Goodwin Procter LLP, 100 Northern Avenue, IP Docketing Dept./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, 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,

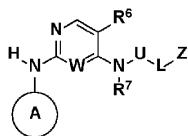
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(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))
- with sequence listing part of description (Rule 5.2(a))

(54) Title: ULK INHIBITORS AND METHODS OF USE THEREOF



Formula (I)

(57) Abstract: Described herein are compounds of formula (I) that are inhibitors of autophagy, in particular inhibitors of ULK kinase activity and their use in the treatment of disorders such as cancers.

WO 2025/166124 A1