

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2025/010279 A9

(43) International Publication Date
09 January 2025 (09.01.2025)

(51) International Patent Classification:
A61K 31/395 (2006.01) *A61K 31/33* (2006.01)
A61K 31/18 (2006.01)

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/US2024/036576

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

(22) International Filing Date:
02 July 2024 (02.07.2024)

(88) Date of publication of the international search report:
01 May 2025 (01.05.2025)

(25) Filing Language: English

(48) Date of publication of this corrected version:
18 December 2025 (18.12.2025)

(26) Publication Language: English

(30) Priority Data:
63/524,795 03 July 2023 (03.07.2023) US

(15) Information about Correction:
see Notice of 18 December 2025 (18.12.2025)

(71) Applicant: **RESERO THERAPEUTICS, LLC** [US/US];
12707 High Bluff Drive, Suite 130, San Diego, CA 92130
(US).

(72) Inventors: **BOBINSKI, Thomas, Paul**; c/o Resero Ther-
apeutics, LLC, 12707 High Bluff Drive, Suite 130, San
Diego, CA 92130 (US). **LEE, Matthew, Randolph**; c/o Res-
ero Therapeutics, LLC, 12707 High Bluff Drive, Suite 130,
San Diego, CA 92130 (US).

(74) Agent: **POLYAKOV, Mark, V.** et al.; Wood, Phillips, Katz,
Clark & Mortimer, 500 West Madison Street, Suite 1130,
Chicago, IL 60661 (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, 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,

(54) Title: POLO-LIKE KINASE 1 INHIBITORS

(57) Abstract: The present invention relates to inhibitors of polo-like kinase 1 ("PLK1"). In particular, the present invention relates to compounds that selectively inhibit the activity of PLK1, pharmaceutical compositions comprising a therapeutically effective amount of the compounds, and methods of use therefor, such as methods for treating PLK1-mediated diseases and disorders, such as cancer.

WO 2025/010279 A9