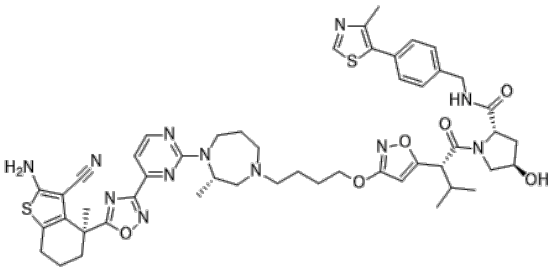
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	pan-KRAS degrader 4
Cat. No.	:	PC-23305
CAS No.	:	2938169-99-2
Molecular Formula	:	$C_{50}H_{60}N_{12}O_6S_2$
Molecular Weight	:	989.23
Target	:	PROTAC
Solubility	:	10 mM in DMSO



CAS: 2938169-99-2

Biological Activity

pan-KRAS degrader 4 is a potent, selective, reversible heterobifunctional pan-KRAS PROTAC degrader with Dmax50 of 17 nM in GP5d cells, efficiently degrades 13 of the 17 most prevalent KRAS mutant alleles and KRASWT with single-digit nanomolar potency.
pan-KRAS degrader 4 exhibits potent cellular VHL-dependent degradation for endogenous KRASG12D (GP5d, DC50=1 nM, Dmax=99.5%) and KRASG12V (SW620, DC50=13 nM, Dmax=89%).
pan-KRAS degrader 4 less potently degrades KRASG12R (DC50=45 nM, Dmax=59%) and KRAS Q61L/K/R (DC50 > 470 nM, Dmax < 60%) in cell lines expressing KRASG12S, KRASG12A, KRASG13D, and KRASQ61H.
pan-KRAS degrader 4 impacts MAPK signaling and cancer cell proliferation, suppresses pERK and DUSP6, inhibits sotorasib-sensitive KRASG12C-mutant cell lines.
pan-KRAS degrader 4 exhibits in vivo DC50 of 851 nM for the GP2d model in NMRI mice (versus 3.6 nM in 10% FCS).

References

Popow J, et al. Science. 2024 Sep 20;385(6715):1338-1347.

E-mail: tech@probechem.com