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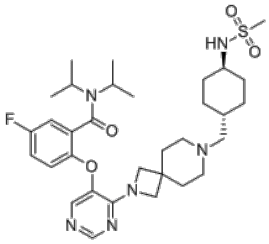
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	VTP50469
Cat. No.	:	PC-72792
CAS No.	:	2169916-18-9
Molecular Formula	:	$C_{32}H_{47}FN_6O_4S$
Molecular Weight	:	630.3364
Target	:	Histone Methyltransferase (HMTase)
Solubility	:	10 mM in DMSO



Biological Activity

VTP50469 (VTP 50469, SNDX-50469) is potent, selective, orally active inhibitor of **Menin-MLL** interaction with Ki of 104 pM.
VTP50469 treatment led to a profound reduction in cell proliferation in a concentration-dependent manner in MLL-r cell lines carrying but not in those with WT MLL (HL-60, REH, K562, murine MOZ-TIF2).
VTP50469 treatment rapidly suppresses MLL-fusion target gene expression, induces global changes in Menin and selective changes in MLL chromatin occupancy.
VTP50469 treatment can eradicate disease in PDX models of MLL-r acute leukemia.

References

Krivtsov AV, et al. ***Cancer Cell.*** 2019 Dec 9;36(6):660-673.e11.

Heikamp EB, et al. ***Blood.*** 2021 Sep 28:blood.2021012806.

Warren Fiskus, et al. ***Blood Cancer J***. 2022 Jan 11;12(1):5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com