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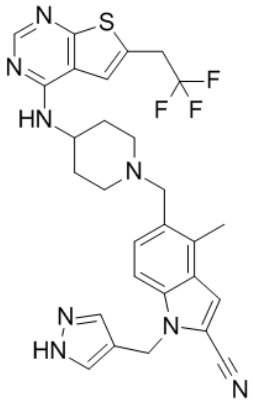
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	MI-503
Cat. No.	:	PC-45092
CAS No.	:	1857417-13-0
Molecular Formula	:	$C_{28}H_{27}F_3N_8S$
Molecular Weight	:	564.6278
Target	:	Histone Methyltransferase (HMTase)
Solubility	:	10 mM in DMSO



Biological Activity

MI-503 (MI 503) is a highly potent and orally bioavailable small-molecule inhibitor of **Menin-MLL** interaction with Kd of 9.3 nM.
MI-503 effectively induces differentiation of MLL leukemia cells and and substantially increases expression of CD11b, also reduces expression of Hoxa9 and Meis1.
MI-503 induces marked anti-proliferative effects in MV4;11 cells with GI50 of 200 nM.
MI-503 blocks hematologic tumors in vivo and reduces MLL leukemia tumor burden in mouse models.

References

Borkin D, et al. ***Cancer Cell.*** 2015 Apr 13;27(4):589-602.

Svoboda LK, et al. ***Oncotarget***. 2017 Jan 3;8(1):458-471.

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