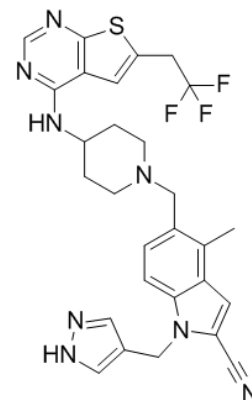


Product Name : MI-503
Cat. No. : PC-45092
CAS No. : 1857417-13-0
Molecular Formula : C₂₈H₂₇F₃N₈S
Molecular Weight : 564.6278
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

MI-503 (MI 503) is a highly potent and orally bioavailable small-molecule inhibitor of **Menin-MLL** interaction with K_d of 9.3 nM.

MI-503 effectively induces differentiation of MLL leukemia cells 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.

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

E-mail: tech@probechem.com