

Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 :
 MM-401

 Cat. No.
 :
 PC-70114

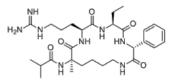
 CAS No.
 :
 1442106-10-6

 Molecular Formula
 :
 C₂₉H₄₆N₈O₅

 Molecular Weight
 :
 586.726

Target : Histone Methyltransferase (HMTase)

Solubility : 10 mM in DMSO



Biological Activity

MM-401 is a potent inhibitor of **MLL1/WDR5** protein-protein interaction with IC50 of 0.9 nM.

MM-401 represents over 3 and 700 folds more potency relative to MM-101 (IC50=2.9 nM) and the WDR5-interacting motif in MLL1 (WIN, IC50=750 nM).

MM-401 specifically blocks proliferation of MLL cells and induces changes in gene expression similar to those of MLL1 deletion.

MM-401 reprograms mouse epiblast stem cells (EpiSCs) to naive pluripotency.

References

Cao F, et al. *Mol Cell*. 2014 Jan 23;53(2):247-61.

Zhang H, et al. *Cell Stem Cell*. 2016 Apr 7;18(4):481-94.

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

E-mail: tech@probechem.com