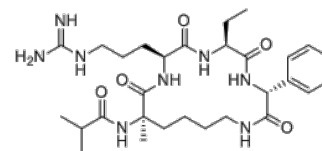


Product Name : MM-401
Cat. No. : PC-70114
CAS No. : 1442106-10-6
Molecular Formula : C₂₉H₄₆N₈O₅
Molecular Weight : 586.726
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



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!

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