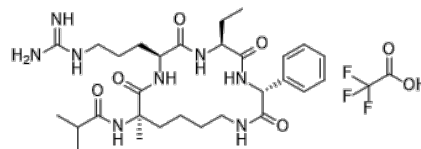


Product Name : MM-401 TFA
Cat. No. : PC-28195
CAS No. : 1442106-11-7
Molecular Formula : C₃₁H₄₇F₃N₈O₇
Molecular Weight : 700.75
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

MM-401 TFA 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

Wang M, et al. Acta Pharm Sin B. 2024 Nov;14(11):4899-4913.

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

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