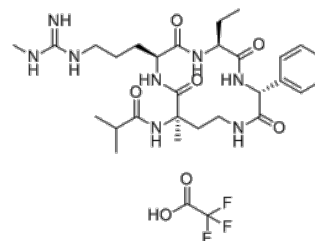


**Product Name** : MM-589  
**Cat. No.** : PC-70104  
**CAS No.** : 2097887-21-1  
**Molecular Formula** : C<sub>30</sub>H<sub>45</sub>F<sub>3</sub>N<sub>8</sub>O<sub>7</sub>  
**Molecular Weight** : 686.734  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

MM-589 is a highly potent, cell-permeable inhibitor of **WDR5-MLL** interaction with IC<sub>50</sub> of 0.9 nM, K<sub>i</sub> of <1 nM. MM-589 inhibits the MLL H3K4 methyltransferase activity (IC<sub>50</sub>=12.7 nM), potently and selectively inhibits cell growth in human leukemia cell lines harboring MLL translocations, and shows >40-fold better than MM-401.

## References

Karatas H, et al. *J Med Chem.* 2017 Jun 22;60(12):4818-4839.

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

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