

产品名称 : MM-589

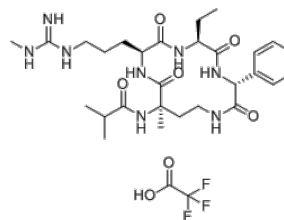
同义词 : MM 589 | MM589

产品货号 : M13312

CAS Number : 2097887-21-1

分子式 : C₃₀H₄₅F₃N₈O₇

分子量 : 686.734



化学全名 : N-((3R,6S,9S,12R)-6-ethyl-12-methyl-9-(3-(3-methylguanidino)propyl)-2,5,8,11-tetraoxo-3-phenyl-1,4,7,10-tetraazacyclotetradecan-12-yl)isobutyramide 2,2,2-trifluoroacetate

产品描述 : A highly potent, cell-permeable inhibitor of WDR5-MLL interaction with IC₅₀ of 0.9 nM, K_i of <1 nM; inhibits the MLL H3K4 methyltransferase activity (IC₅₀=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.

通路 : Chromatin/Epigenetic

靶点 : HMTase

受体 : HMTase

溶解度 : —

SMILES : CCC1C(=O)NC(C(=O)NCCC(C(=O)NC(C(=O)N1)CCCN(C(=NC)N)(C)NC(=O)C(C)C)C2=CC=CC=C2.C(=O)(C(F)(F)F)O

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

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