

MM-589

Chemical Properties

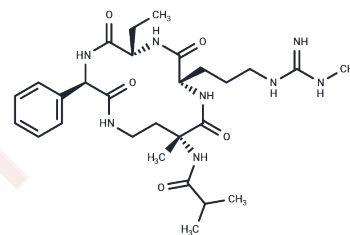
CAS No. : 2097887-20-0

Formula: C₂₈H₄₄N₈O₅

Molecular Weight: 572.70

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	MM-589 is a potent WD repeat domain 5 (WDR5) inhibitor and mixed lineage leukemia (MLL) protein-protein interaction.
Targets(IC50)	Histone Methyltransferase,JAK
In vitro	MM-589 inhibits cell growth in human leukemia cell lines harboring MLL translocations [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7461 mL	8.7306 mL	17.4611 mL
5 mM	0.3492 mL	1.7461 mL	3.4922 mL
10 mM	0.1746 mL	0.8731 mL	1.7461 mL
50 mM	0.0349 mL	0.1746 mL	0.3492 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Karatas H, et al. Discovery of a Highly Potent, Cell-Permeable Macrocyclic Peptidomimetic (MM-589) Targeting the WD Repeat Domain 5 Protein (WDR5)-Mixed Lineage Leukemia (MLL) Protein-Protein Interaction. J Med Chem. 2017 Jun 22;60(12):4818-4839.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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