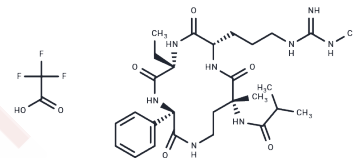


## MM-589 TFA

## Chemical Properties

CAS No. :	2097887-21-1
Formula:	C30H45F3N8O7
Molecular Weight:	686.72
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 TFA is a potent inhibitor of WD repeat domain 5 (WDR5) and a modulator of 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	1.4562 mL	7.281 mL	14.562 mL
5 mM	0.2912 mL	1.4562 mL	2.9124 mL
10 mM	0.1456 mL	0.7281 mL	1.4562 mL
50 mM	0.0291 mL	0.1456 mL	0.2912 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.

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