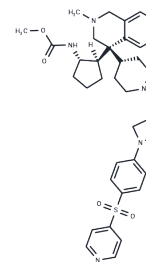


M-89 MLL inhibitor

Chemical Properties

CAS No. :	2446155-01-5
Formula:	C37H47N5O4S
Molecular Weight:	657.87
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	M-89 is a Highly Potent Inhibitor of the Menin-Mixed Lineage Leukemia (Menin-MLL) Protein-Protein Interaction (Kd = 1.4 nM; IC50 = 25nM). M-89 binds to menin with a Kd value of 1.4 nM and effectively engages cellular menin protein at low nanomolar concentrations. M-89 inhibits cell growth in the MV4;11 and MOLM-13 leukemia cell lines carrying MLL fusion with IC50 values of 25 and 55 nM, respectively, and demonstrates >100-fold selectivity over the HL-60 leukemia cell line lacking MLL fusion.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5201 mL	7.6003 mL	15.2006 mL
5 mM	0.304 mL	1.5201 mL	3.0401 mL
10 mM	0.152 mL	0.760 mL	1.5201 mL
50 mM	0.0304 mL	0.152 mL	0.304 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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