

PRMT5-IN-50

Chemical Properties

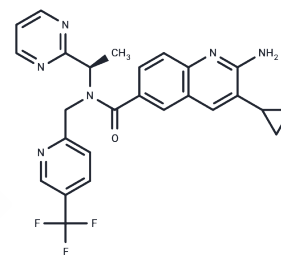
CAS No. : 3002409-47-1

Formula: C₂₆H₂₃F₃N₆O

Molecular Weight: 492.496

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	PRMT5-IN-50 is an orally active selective inhibitor of PRMT5, demonstrating good metabolic stability and low clearance in human liver microsomes. It inhibits SDMA/HCT116-MTAPdel and SDMA/HCT116-MTAPwt with IC ₅₀ values for symmetric arginine methylation inhibition at 1.0 and 536 nM, respectively, and antiproliferative IC ₅₀ values at 19 and 1620 nM, respectively. Additionally, PRMT5-IN-50 suppresses tumor growth in mice.
Targets(IC ₅₀)	Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0305 mL	10.1523 mL	20.3046 mL
5 mM	0.4061 mL	2.0305 mL	4.0609 mL
10 mM	0.203 mL	1.0152 mL	2.0305 mL
50 mM	0.0406 mL	0.203 mL	0.4061 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

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