

PRMT5-MTA-IN-5

Chemical Properties

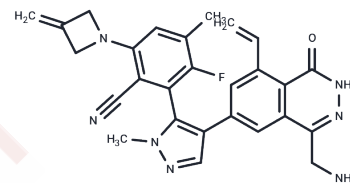
CAS No. : 3078322-88-7

Formula: C₂₇H₂₄FN₇O

Molecular Weight: 481.52

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-MTA-IN-5 (Compound 7) is an orally active, irreversible inhibitor of the PRMT5-MTA complex (PRMT5•MTA) with an IC ₅₀ value of 1.15 nM. It effectively blocks arginine methylation, impedes the processing of ribosomal RNA, and suppresses the expression of proteins related to the cell cycle. PRMT5-MTA-IN-5 significantly inhibits the proliferation of tumor cells lacking MTAP and shows potential for research into MTAP-deficient solid tumors, such as liver, breast, and pancreatic cancers.
Targets(IC ₅₀)	Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0768 mL	10.3838 mL	20.7676 mL
5 mM	0.4154 mL	2.0768 mL	4.1535 mL
10 mM	0.2077 mL	1.0384 mL	2.0768 mL
50 mM	0.0415 mL	0.2077 mL	0.4154 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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