

PRMT5-MTA-IN-4

Chemical Properties

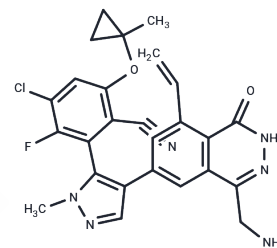
CAS No. : 3025838-18-7

Formula: C₂₆H₂₂ClFN₆O₂

Molecular Weight: 504.94

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-4 (Compound 30) is a potent irreversible inhibitor of protein arginine methyltransferase 5 (PRMT5) with an IC ₅₀ of 8 nM. It obstructs arginine methylation, hinders ribosomal RNA processing, and suppresses cell cycle-related protein expression. This compound shows antiproliferative activity in various tumor cell lines, exemplified by an IC ₅₀ of 0.3 μM in DLD-1 cells. PRMT5-MTA-IN-4 holds potential for research into hematological malignancies such as acute myeloid leukemia and diffuse large B-cell lymphoma.
Targets(IC ₅₀)	Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9804 mL	9.9022 mL	19.8043 mL
5 mM	0.3961 mL	1.9804 mL	3.9609 mL
10 mM	0.198 mL	0.9902 mL	1.9804 mL
50 mM	0.0396 mL	0.198 mL	0.3961 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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