

PRMT4-IN-1

Chemical Properties

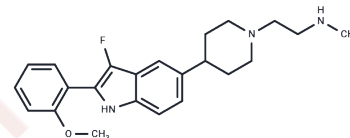
CAS No. : 912970-79-7

Formula: C₂₃H₂₈FN₃O

Molecular Weight: 381.49

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	PRMT4-IN-1 is a selective inhibitor of PRMT4, demonstrating an IC ₅₀ value of 3.2 nM, and has been shown to reduce the relative viability of MCF7 cells [1].
Targets(IC ₅₀)	Others, Histone Methyltransferase
In vitro	PRMT4-IN-1 (compound 12h) at concentrations of 10 μM, 50 μM, and 100 μM did not affect the number of metabolically active cells after exposure durations of 24 hours and 72 hours [1]. A time-dependent decrease in relative cell viability was observed in MCF7 cells treated with PRMT4-IN-1 (50 μM) over a period of 2-8 days [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6213 mL	13.1065 mL	26.213 mL
5 mM	0.5243 mL	2.6213 mL	5.2426 mL
10 mM	0.2621 mL	1.3107 mL	2.6213 mL
50 mM	0.0524 mL	0.2621 mL	0.5243 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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