

PRMT5-targeted fluorescent ligand-1

Chemical Properties

CAS No. :

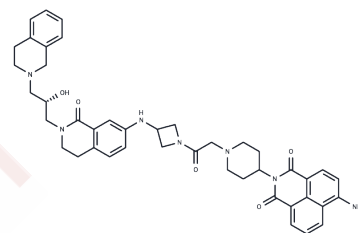
Formula: C43H47N7O5

Molecular Weight: 741.877

Keep away from direct sunlight

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-targeted fluorescent ligand-1 (Compound 7) is a fluorescent ligand specific to PRMT5 that inhibits this target with an IC50 value of 29.39 nM. It demonstrates cellular imaging activity with strong fluorescence signals in MCF-7 cells, showing an IC50 of 29 nM. Additionally, it induces apoptosis (cell death). The compound's maximum excitation wavelength is 438 nm, and its maximum emission wavelength is 550 nm.
Targets(IC50)	Apoptosis,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3479 mL	6.7396 mL	13.4793 mL
5 mM	0.2696 mL	1.3479 mL	2.6959 mL
10 mM	0.1348 mL	0.674 mL	1.3479 mL
50 mM	0.027 mL	0.1348 mL	0.2696 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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