

C-MS023

Chemical Properties

CAS No. :

Formula: C32H40N4O5

Molecular Weight: 560.68

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	C-MS023 is a photoactivatable prodrug of MS023, designed to achieve spatiotemporal inhibition of Histone Arginine Asymmetric Dimethylation. It specifically inhibits PRMT6-mediated asymmetric dimethylation of H3 Arginine 2 (H3R2me2a) with an IC50 of approximately 0.2224 μ M. The photolysis of C-MS023 can be triggered by exposure to 420 nm visible light, releasing MS023, which effectively downregulates histone arginine asymmetric dimethylation and transcriptional activities related to DNA replication.
Targets(IC50)	Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7835 mL	8.9177 mL	17.8355 mL
5 mM	0.3567 mL	1.7835 mL	3.5671 mL
10 mM	0.1784 mL	0.8918 mL	1.7835 mL
50 mM	0.0357 mL	0.1784 mL	0.3567 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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