

NCGC00685960

Chemical Properties

CAS No. : 3091000-99-3
Formula: C₂₄H₃₂ClN₅O₂
Molecular Weight: 458
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	NCGC00685960 is a potent inhibitor of nicotinamide N-methyltransferase (NNMT) with an IC ₅₀ of less than 10 nM. This compound exhibits strong anti-tumor activity, enhances H3K27 trimethylation in ovarian cancer cells, and suppresses α -SMA expression in NNMT-expressing ovarian fibroblasts. It also reduces 1-MNA levels in cancer-associated fibroblasts (CAFs), reverses low SAM and H3K27 methylation, and significantly diminishes collagen contractility. NCGC00685960 is valuable for cancer research.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1834 mL	10.917 mL	21.8341 mL
5 mM	0.4367 mL	2.1834 mL	4.3668 mL
10 mM	0.2183 mL	1.0917 mL	2.1834 mL
50 mM	0.0437 mL	0.2183 mL	0.4367 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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