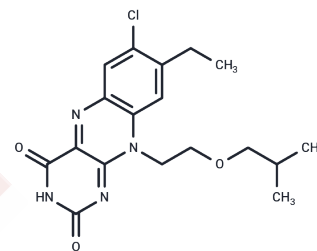


JG-2016

Chemical Properties

CAS No. : 2887480-87-5
 Formula: C₁₈H₂₁ClN₄O₃
 Molecular Weight: 376.84
 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	JG-2016, as a small molecule histone acetyltransferase 1 (HAT1) inhibitor, inhibits the growth of human cancer cell lines, inhibits enzyme activity in cellulose, and interferes with tumor growth.
Targets(IC50)	Histone Acetyltransferase

Solubility Information

Solubility	DMSO: 80 mg/mL (212.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6536 mL	13.2682 mL	26.5365 mL
5 mM	0.5307 mL	2.6536 mL	5.3073 mL
10 mM	0.2654 mL	1.3268 mL	2.6536 mL
50 mM	0.0531 mL	0.2654 mL	0.5307 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.

Reference

Gaddameedi JD, et al. Acetyl-Click Screening Platform Identifies Small-Molecule Inhibitors of Histone Acetyltransferase 1 (HAT1). J Med Chem. 2023 Apr 27;66(8):5774-5801.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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