

LEM-14-1189

Chemical Properties

CAS No. : 2987501-17-5

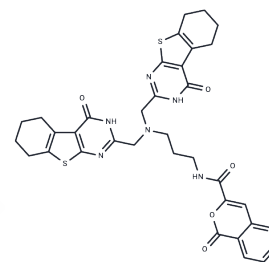
Formula: C35H34N6O5S2

Molecular Weight: 682.81

Store at low temperature

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	Lem-14-1189, a LEM-14 derivative, is a potent NSD inhibitor of the nuclear receptor binding SET domain, and has inhibitory effects on NSD1, NSD2, and NSD3, with IC50 of 418 μ M, 111 μ M, and 60 μ M, respectively. LEM-14-1189 has potential anticancer activity and can be used to study multiple myeloma (MM) and diseases of the blood system.
Targets(IC50)	Histone Methyltransferase

Solubility Information

Solubility	DMSO: 6.84 mg/mL (10.02 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	1.4645 mL	7.3227 mL	14.6454 mL
5 mM	0.2929 mL	1.4645 mL	2.9291 mL
10 mM	0.1465 mL	0.7323 mL	1.4645 mL
50 mM	0.0293 mL	0.1465 mL	0.2929 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

Shen Y, et al. Identification of LEM-14 inhibitor of the oncoprotein NSD2. Biochem Biophys Res Commun. 2019 Jan 1;508(1):102-108.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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