

LEM-14-1189

Chemical Properties

CAS No. : 2987501-17-5

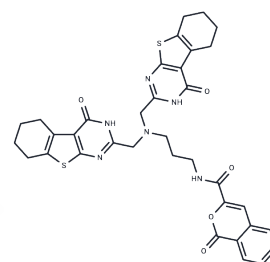
Formula: C35H34N6O5S2

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

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|------------|---|
| Solubility | DMSO: 6.84 mg/mL (10.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

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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