

LSD1-IN-25

Chemical Properties

CAS No. :	2911585-60-7
Formula:	C32H33ClN6O3S
Molecular Weight:	617.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	LSD1-IN-25 (Compound 9j) is a potent, selective, and orally active inhibitor of LSD1, exhibiting an IC50 of 46 nM (Ki = 30.3 nM) and capable of inducing apoptosis in cancer cells [1].
Targets(IC50)	Histone Demethylase
In vitro	LSD1-IN-25 (Compound 9j; 0-20 µM; 72 h) inhibits the proliferation of solid tumor cells [1]. At concentrations of 1-4 µM and a 24-hour exposure, LSD1-IN-25 induces an increase in H3K4me2 levels and inhibits the epithelial-mesenchymal transition (EMT) process in H1650 cells [1]. Additionally, LSD1-IN-25 (1-4 µM; 24 h) induces apoptosis and S-phase arrest in H1650 cells [1].
In vivo	LSD1-IN-25 (Compound 9j; 10 and 20 mg/kg; oral gavage; daily for 21 days) demonstrated antitumor activity in a H1650 cell xenograft mouse model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6203 mL	8.1016 mL	16.2033 mL
5 mM	0.3241 mL	1.6203 mL	3.2407 mL
10 mM	0.162 mL	0.8102 mL	1.6203 mL
50 mM	0.0324 mL	0.162 mL	0.3241 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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