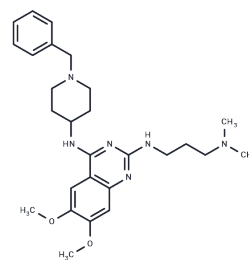


LSD1-IN-20

Chemical Properties

CAS No. :	1239589-91-3
Formula:	C27H38N6O2
Molecular Weight:	478.63
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	Lsd1-in-20 is a potent dual inhibitor of LSD1/G9a with K_i values of 0.44 and 0.68 μM , respectively. LSD1-IN-20 showed antiproliferative activity against THP-1 leukemia cells and MDA-MB-231 breast cancer cells in vitro, with IC_{50} of 0.51 and 1.60 μM , respectively, at 72 h.
Targets(IC_{50})	Histone Demethylase, Histone Methyltransferase

Solubility Information

Solubility	DMSO: 45 mg/mL (94.02 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	2.0893 mL	10.4465 mL	20.893 mL
5 mM	0.4179 mL	2.0893 mL	4.1786 mL
10 mM	0.2089 mL	1.0446 mL	2.0893 mL
50 mM	0.0418 mL	0.2089 mL	0.4179 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

Menna M, et al. Novel non-covalent LSD1 inhibitors endowed with anticancer effects in leukemia and solid tumor cellular models. Eur J Med Chem. 2022 Jul 5;237:114410.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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