

## LSD1/2-IN-3

## Chemical Properties

CAS No. :

Formula: C<sub>9</sub>H<sub>8</sub>BrF<sub>2</sub>N

Molecular Weight: 248.07

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	LSD1/2-IN-3 is a selective inhibitor of lysine-specific demethylase 1 (LSD1) with a Ki value of 11 nM, compared to 7 μM for LSD2. Aberrant expression of LSD1 is found in tumor stem cells, and LSD1/2-IN-1 inhibits LSD1 cell proliferation [1].
Targets(IC50)	Histone Demethylase,Others
In vitro	LSD1/2-IN-3 (compound 8c) inhibits the proliferation of T-cell acute lymphoblastic leukemia (T-ALL), with IC50 values of 25 μM in CCRF-CEM and 27 μM in Jurkat cells, without affecting the human normal fibroblast cell line WI-38 [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0311 mL	20.1556 mL	40.3112 mL
5 mM	0.8062 mL	4.0311 mL	8.0622 mL
10 mM	0.4031 mL	2.0156 mL	4.0311 mL
50 mM	0.0806 mL	0.4031 mL	0.8062 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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