

LSD1-IN-22

Chemical Properties

CAS No. :

Formula: C₉H₈BrF₂N

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-IN-22 is a potent inhibitor of Lysine-specific demethylase 1 (LSD1) with a K _i value of 98 nM, exhibiting anti-proliferative activity against certain cancer cells [1].
Targets(IC50)	Histone Demethylase,Others
In vitro	LSD1-IN-22 (compound 7t) exhibits anti-proliferative effects on CCRF-CEM, Jurkat, and hERG cells. A Cell Proliferation Assay over 72 hours with concentrations from 0 to 50 μM shows significant cell growth inhibition, yielding IC ₅₀ values of 23±0.8 μM for CCRF-CEM, 26±1.7 μM for Jurkat, and 7.7±1.3 μM for hERG cells.

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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