

LSD1/2-IN-4

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	LSD1/2-IN-4, a derivative of PCPA, functions as an inhibitor for both lysine-specific demethylase 1 (LSD1) and lysine-specific demethylase 2 (LSD2), demonstrating K _i values of 0.11 μM and 130 μM against LSD1 and LSD2, respectively. This compound is utilized in researching various cancers, notably T-cell acute lymphoblastic leukemia (TALL) [1].
Targets(IC50)	Histone Demethylase,Others
In vitro	LSD1/2-IN-4 has strong inhibitory activity against both LSD1 and LSD2 with K _i values of 0.11 μM and 130 μM, respectively and not inhibits peroxidase with an IC ₅₀ >500 μM [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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