

HDM-IN-1

Chemical Properties

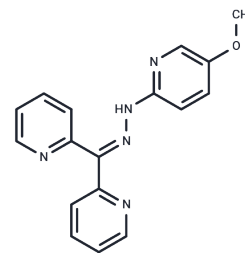
CAS No. : 3020690-76-7

Formula: C₁₇H₁₅N₅O

Molecular Weight: 305.33

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	HDM-IN-1 (Compound A4) is an inhibitor of fungal histone demethylase (HDM) that inhibits H3K27me3 in <i>Cryptococcus neoformans</i> and <i>Candida auris</i> , with IC ₅₀ values of 134 nM and 12 nM, respectively. It demonstrates inhibitory activity against these fungi by preventing biofilm and capsule formation, with an MIC ₈₀ of 0.5-2 µg/mL. Additionally, HDM-IN-1 exhibits antifungal activity in ICR mouse models.
Targets(IC50)	Histone Demethylase,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2751 mL	16.3757 mL	32.7514 mL
5 mM	0.655 mL	3.2751 mL	6.5503 mL
10 mM	0.3275 mL	1.6376 mL	3.2751 mL
50 mM	0.0655 mL	0.3275 mL	0.655 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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