

LoICDE-IN-4

Chemical Properties

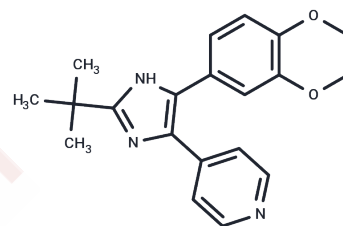
CAS No. : 1859918-13-0

Formula: C₂₀H₂₁N₃O₂

Molecular Weight: 335.40

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	LoICDE-IN-4 (Compound 1) demonstrates antibacterial potency by inhibiting the LoICDE complex and disrupting the release of lipoproteins from the inner membrane, showing efficacy against gram-negative bacteria such as Escherichia coli (MIC of 0.25-32 µg/ml) and Haemophilus influenzae.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9815 mL	14.9076 mL	29.8151 mL
5 mM	0.5963 mL	2.9815 mL	5.963 mL
10 mM	0.2982 mL	1.4908 mL	2.9815 mL
50 mM	0.0596 mL	0.2982 mL	0.5963 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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