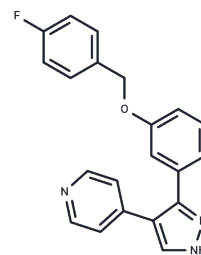


LoICDE-IN-1

Chemical Properties

CAS No. :	1639933-78-0
Formula:	C ₂₁ H ₁₆ N ₃ O
Molecular Weight:	345.37
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-1, an inhibitor of the Lol proteins (LoICDE) complex, exhibits antibacterial activity.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 22.5 mg/mL (65.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.79 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8954 mL	14.4772 mL	28.9545 mL
5 mM	0.5791 mL	2.8954 mL	5.7909 mL
10 mM	0.2895 mL	1.4477 mL	2.8954 mL
50 mM	0.0579 mL	0.2895 mL	0.5791 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.

Reference

Nayar AS, et al. Novel antibacterial targets and compounds revealed by a high-throughput cell wall reporter assay. J Bacteriol. 2015 May;197(10):1726-34.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481