

MurA-IN-5

Chemical Properties

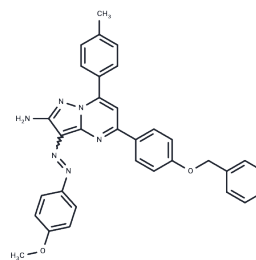
CAS No. :

Formula: C₃₃H₂₈N₆O₂

Molecular Weight: 540.614

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	MurA-IN-5 (compound 4c) demonstrates a minimum inhibitory concentration (MIC) of 1.95 µg/mL against Escherichia coli and exhibits significant potency as a MurA inhibitor with an IC ₅₀ of 3.77 µg/mL. It also shows antibiofilm activity against various microorganisms, indicating its potential in combating biofilm-related infections.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8498 mL	9.2488 mL	18.4976 mL
5 mM	0.370 mL	1.8498 mL	3.6995 mL
10 mM	0.185 mL	0.9249 mL	1.8498 mL
50 mM	0.037 mL	0.185 mL	0.370 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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