

BaENR-IN-1

Chemical Properties

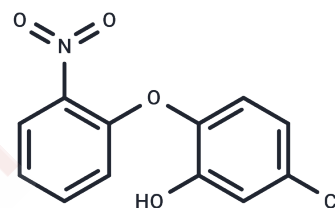
CAS No. : 1071966-17-0

Formula: C₁₂H₈ClNO₄

Molecular Weight: 265.65

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	BaENR-IN-1 (Compound 5), an inhibitor of Enoyl-Acyl Carrier Protein Reductase (ENR) with an IC ₅₀ value of 7.7 μM, impedes the production of fatty acids crucial for bacterial growth by targeting the bacterial enzyme ENR. This compound demonstrates antibacterial activity [1].
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7644 mL	18.8218 mL	37.6435 mL
5 mM	0.7529 mL	3.7644 mL	7.5287 mL
10 mM	0.3764 mL	1.8822 mL	3.7644 mL
50 mM	0.0753 mL	0.3764 mL	0.7529 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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