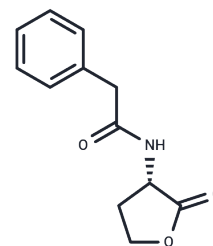


N-phenylacetyl-L-Homoserine lactone

Chemical Properties

CAS No. :	55154-48-8
Formula:	C ₁₂ H ₁₃ NO ₃
Molecular Weight:	219.24
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	N-phenylacetyl-L-Homoserine lactone attenuates the group sensing of the pathogen <i>Acinetobacter baumannii</i> and can be used to study bacterial infections.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	DMSO: 100 mg/mL (456.12 mM),Sonication is recommended. Ethanol: 1 mg/mL (4.56 mM),Sonication is recommended. DMF: 30 mg/mL (136.84 mM),Sonication is recommended. PBS (pH 7.2): 0.1 mg/mL (0.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5612 mL	22.8061 mL	45.6121 mL
5 mM	0.9122 mL	4.5612 mL	9.1224 mL
10 mM	0.4561 mL	2.2806 mL	4.5612 mL
50 mM	0.0912 mL	0.4561 mL	0.9122 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

Helen BLACKWELL,et al.Compound Combinations for Attenuation of Bacterial Virulence: US20170231962A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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