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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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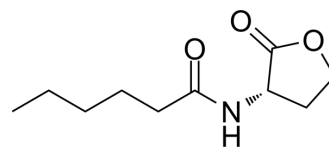
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N-Hexanoyl-L-homoserine lactone

Cat. No.:	HY-133685		
CAS No.:	147852-83-3		
Molecular Formula:	C ₁₀ H ₁₇ NO ₃		
Molecular Weight:	199.25		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (501.88 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	5.0188 mL	25.0941 mL	50.1882 mL
		5 mM	1.0038 mL	5.0188 mL	10.0376 mL
		10 mM	0.5019 mL	2.5094 mL	5.0188 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.55 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.55 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.55 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	N-Hexanoyl-L-homoserine lactone is a short-chained N-acyl homoserine lactone (AHL). Diatoms are frequently found in association with Proteobacteria, many members of which employ cell-to-cell communication via AHLs in aquatic habitats ^[1] .
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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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