



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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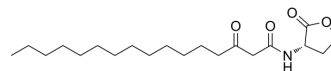
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N-3-Oxo-hexadecanoyl-L-Homoserine lactone

Cat. No.:	HY-115399A	
CAS No.:	925448-37-9	
Molecular Formula:	C ₂₀ H ₃₅ NO ₄	
Molecular Weight:	353.5	
Target:	Bacterial	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20 mg/mL (56.58 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8289 mL	14.1443 mL	28.2885 mL
	5 mM	0.5658 mL	2.8289 mL	5.6577 mL
	10 mM	0.2829 mL	1.4144 mL	2.8289 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-3-Oxo-hexadecanoyl-L-Homoserine lactone is a signaling molecule to coordinate group behaviors at high densities in many bacteria. N-3-Oxo-hexadecanoyl-L-Homoserine lactone adsorbs to and promotes the remodeling of lipid membranes in ways that could underpin cell-cell or host-cell interactions^[1].

REFERENCES

[1]. Gahan CG, et al. Interactions of Bacterial Quorum Sensing Signals with Model Lipid Membranes: Influence of Acyl Tail Structure on Multiscale Response. Langmuir. 2021;37(41):12049-12058.

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

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