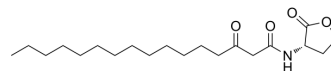


N-3-Oxo-hexadecanoyl-L-Homoserine lactone

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



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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