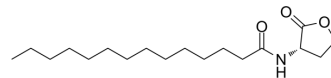


N-Tetradecanoyl-L-homoserine lactone

Cat. No.:	HY-133684
CAS No.:	202284-87-5
Molecular Formula:	C ₁₈ H ₃₃ NO ₃
Molecular Weight:	311.46
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-Tetradecanoyl-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].

REFERENCES

[1]. Frederike Stock, et al. Distinctive Growth and Transcriptional Changes of the Diatom *Seminavis robusta* in Response to Quorum Sensing Related Compounds. *Front Microbiol.* 2020 Jun 9;11:1240.

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

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