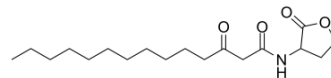


N-(3-Oxotetradecanoyl)-DL-homoserine lactone

Cat. No.:	HY-133683
CAS No.:	503610-29-5
Molecular Formula:	C ₁₈ H ₃₁ NO ₄
Molecular Weight:	325.44
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-(3-Oxotetradecanoyl)-DL-homoserine lactone, a member of N-Acyl homoserine lactone (AHL) from gram-negative bacteria, is a quorum sensing (QS) signaling molecule^{[1][2]}.

REFERENCES

- [1]. Gao J, et, al. An N-acyl homoserine lactone synthase in the ammonia-oxidizing bacterium *Nitrosospira multiformis*. *Appl Environ Microbiol.* 2014 Feb;80(3):951-8.
- [2]. Nieves F, et, al. Detection, characterization, and biological effect of quorum-sensing signaling molecules in peanut-nodulating bradyrhizobia. *Sensors (Basel).* 2012;12(3):2851-73.

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

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