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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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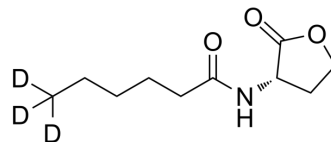
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N-Hexanoyl-L-homoserine lactone-d₃

Cat. No.:	HY-133685S
CAS No.:	2705226-73-7
Molecular Formula:	C ₁₀ H ₁₄ D ₃ NO ₃
Molecular Weight:	202.27
Target:	Isotope-Labeled Compounds; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-Hexanoyl-L-Homoserine lactone-d₃ (C6-HSL-d₃) is deuterium labeled N-Hexanoyl-L-homoserine lactone. 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][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Frederike Stock, et al. Distinctive Growth and Transcriptional Changes of the Diatom *Semina 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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