

Technical Data Sheet

DDHL

Compound Information

Product Name:	DDHL
CAS No.:	137173-46-7
Molecular Formula:	C ₁₆ H ₂₉ NO ₃
Molecular Weight:	283.41
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Description	N-Dodecanoyl-L-Homoserine lactone (C12-HSL) is a quorum sensing (QS) signaling molecule. N-dodecanoyl-L-Homoserine lactone (C12-HSL) aptamers blocks quorum sensing and inhibits biofilm formation in <i>Pseudomonas aeruginosa</i> .
Form	Solid
Solubility	Chloroform: 10 mg/ml; DMF: 1 mg/ml; DMSO: 1 mg/ml
1H NMR	Pass test

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