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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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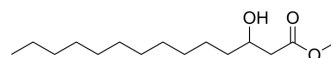
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3-Hydroxy myristic acid methyl ester

Cat. No.:	HY-W342499
CAS No.:	55682-83-2
Molecular Formula:	C ₁₅ H ₃₀ O ₃
Molecular Weight:	258.4
Target:	Fungal
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (387.00 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.8700 mL	19.3498 mL	38.6997 mL
	5 mM		0.7740 mL	3.8700 mL	7.7399 mL
	10 mM		0.3870 mL	1.9350 mL	3.8700 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

3-Hydroxy myristic acid methyl ester (Methyl 3-hydroxytetradecanoate) is the quorum-sensing signal molecule (quorumone), which regulates the virulence of *Ralstonia solanacearum*^[1].

REFERENCES

[1]. M Shinohara, et al. Purification and characterization of a novel esterase (beta-hydroxypalmitate methyl ester hydrolase) and prevention of the expression of virulence by *Ralstonia solanacearum*. J Appl Microbiol. 2007 Jul;103(1):152-62.

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

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