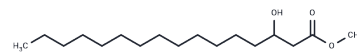


## 3-hydroxy Palmitic Acid methyl ester

## Chemical Properties

CAS No. :	51883-36-4
Formula:	C17H34O3
Molecular Weight:	286.456
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	3-hydroxy Palmitic acid methyl ester (3-hydroxy PAME) is an esterized long-chain fatty acid involved in quorum sensing in <i>R. solanacearum</i> , a bacteria that causes lethal wilting in plants. 3-hydroxy-PAME (175 nM) increases levels of PhcA-regulated virulence factors, greater than 20-, 30-, and 25-fold for EPS I, EGL, and PME, respectively, in the AW1-83 strain of <i>R. solanacearum</i> .
Targets(IC50)	Others

## Solubility Information

Solubility	Ethanol: 0.5 mg/mL (1.75 mM), Sonication is recommended. Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/mL (1.75 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4909 mL	17.4544 mL	34.9089 mL
5 mM	0.6982 mL	3.4909 mL	6.9818 mL
10 mM	0.3491 mL	1.7454 mL	3.4909 mL
50 mM	0.0698 mL	0.3491 mL	0.6982 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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