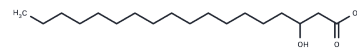


## 3-hydroxy Stearic Acid

## Chemical Properties

CAS No. :	17773-30-7
Formula:	C <sub>18</sub> H <sub>36</sub> O <sub>3</sub>
Molecular Weight:	300.48
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 Stearic Acid (3-hydroxystearic acid) is a fatty acid found in Pseudomonas and Mycosphaerella.
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	Ethanol: 20 mg/mL (66.56 mM),Sonication is recommended. DMF: 30 mg/mL (99.84 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.328 mL	16.640 mL	33.2801 mL
5 mM	0.6656 mL	3.328 mL	6.656 mL
10 mM	0.3328 mL	1.664 mL	3.328 mL
50 mM	0.0666 mL	0.3328 mL	0.6656 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.

## Reference

Abraham S, et al. Influence of positional isomers on the macroscale and nanoscale architectures of aggregates of racemic hydroxyoctadecanoic acids in their molecular gel, dispersion, and solid states. Langmuir. 2012 Mar 20;28(11):4955-64.

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