

3-hydroxy Undecanoic Acid

Chemical Properties

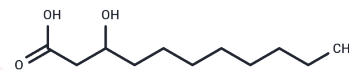
CAS No. : 40165-88-6

Formula: C₁₁H₂₂O₃

Molecular Weight: 202.29

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 Undecanoic acid is a hydroxylated fatty acid that has been found in <i>S. algae</i> , LPS extracted from clinical isolates of <i>B. catarrhalis</i> , and methyl-branched poly(3-hydroxyalkanoate) (PHA) polymers produced by <i>P. flava</i> isolated from oil-contaminated soil. It inhibits sodium current in axons dissected from mantles of giant squid (<i>D. bleekeri</i>) with an ED ₅₀ value of 0.46 mM.
Targets(IC50)	Others

Solubility Information

Solubility	Methanol: Soluble Ethanol: Soluble Chloroform: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9434 mL	24.717 mL	49.434 mL
5 mM	0.9887 mL	4.9434 mL	9.8868 mL
10 mM	0.4943 mL	2.4717 mL	4.9434 mL
50 mM	0.0989 mL	0.4943 mL	0.9887 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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