

14-hydroxytetradecanoic acid

Chemical Properties

CAS No. :	17278-74-9
Formula:	C14H28O3
Molecular Weight:	244.37
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.

Biological Description

Description	14-hydroxytetradecanoic acid is a trace compound found in kelp and has potential antimicrobial and antioxidant activity.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0922 mL	20.4608 mL	40.9216 mL
5 mM	0.8184 mL	4.0922 mL	8.1843 mL
10 mM	0.4092 mL	2.0461 mL	4.0922 mL
50 mM	0.0818 mL	0.4092 mL	0.8184 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

Jung E, et al. Production of ω -hydroxy palmitic acid using CYP153A35 and comparison of cytochrome P450 electron transfer system in vivo. Appl Microbiol Biotechnol. 2016 Dec;100(24):10375-10384.

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