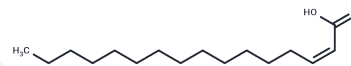


δ 2-cis-Hexadecenoic Acid

Chemical Properties

CAS No. :	2825-68-5
Formula:	C16H30O2
Molecular Weight:	254.41
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	One of the first organisms in which quorum sensing was observed were Myxobacteria, a group of gram-negative bacteria, found mainly in soil and also common to marine and freshwater systems. The cellular membranes of autotrophic bacteria contain mono-unsaturated fatty acids. The specific composition and abundance of membrane fatty acids can be used to identify specific genera of bacterial populations in natural environments (e.g., mining lakes, etc.). δ 2-cis-Hexadecenoic acid is an unusual fatty acid unique to some Myxococcus species.
Targets(IC50)	Others, Drug Metabolite

Solubility Information

Solubility	DMSO: 30 mg/mL (117.92 mM), Sonication is recommended. DMF: 30 mg/mL (117.92 mM), Sonication is recommended. Ethanol: 30 mg/mL (117.92 mM), Sonication is recommended. Ethanol:PBS (pH 7.2): 0.25 mg/mL (0.98 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	3.9307 mL	19.6533 mL	39.3066 mL
5 mM	0.7861 mL	3.9307 mL	7.8613 mL
10 mM	0.3931 mL	1.9653 mL	3.9307 mL
50 mM	0.0786 mL	0.3931 mL	0.7861 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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