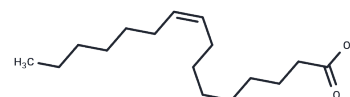


Palmitoleic acid

Chemical Properties

CAS No. : 373-49-9
Formula: C16H30O2
Molecular Weight: 254.41
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Palmitoleic acid ((Z)-Hexadec-9-enoic acid) is found to be associated with isovaleric acidemia, which is an inborn error of metabolism.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H2O: 1mg/mL, DMSO: 55 mg/mL (216.19 mM), (< 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.

Reference

Ogunleye A, et al. Fatty acid composition of breast milk from Nigerian and Japanese women. J Nutr Sci Vitaminol (Tokyo). 1991 Aug;37(4):435-42.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481