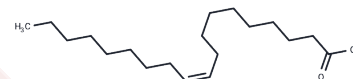


10Z-Nonadecenoic acid

Chemical Properties

CAS No. :	73033-09-7
Formula:	C19H36O2
Molecular Weight:	296.49
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	10Z-Nonadecenoic acid, a long-chain fatty acid, exhibits anti-tumor activity.
Targets(IC50)	Endogenous Metabolite
In vitro	10Z-Nonadecenoic acid, a long-chain fatty acid, exhibits anti-tumor properties and may also inhibit p53 activity, suggesting its potential in oncological research and therapy[1] [2].

Solubility Information

Solubility	DMSO: 30 mg/mL (101.18 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	3.3728 mL	16.864 mL	33.728 mL
5 mM	0.6746 mL	3.3728 mL	6.7456 mL
10 mM	0.3373 mL	1.6864 mL	3.3728 mL
50 mM	0.0675 mL	0.3373 mL	0.6746 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

Fukuzawa M1, et al. Possible involvement of long chain fatty acids in the spores of Ganoderma lucidum (Reishi Houshi) to its anti-tumor activity. Biol Pharm Bull. 2008 Oct;31(10):1933-7.

Iijima H, et al. The inhibitory action of long-chain fatty acids on the DNA binding activity of p53. Lipids. 2006 Jun;41(6):521-7.

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