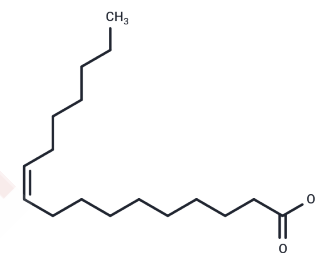


cis-10-Heptadecenoic acid

Chemical Properties

CAS No. :	29743-97-3
Formula:	C17H32O2
Molecular Weight:	268.43
Storage:	Store at low temperature
	Pure form: -20°C for 3 years In solvent: -80°C for 1 year
	Actual storage temperature shall be subject to the COA.



Biological Description

Description	cis-10-Heptadecenoic acid is a minor constituent of ruminant fats.
Targets(IC50)	Others
In vivo	cis-10-Heptadecenoic acid has been examined for potential antitumor activity and was reported to inhibit HL-60 cell proliferation with an IC50 value of 302 μ M and to prevent LPS-induced tumor necrosis factor production from mouse macrophages

Solubility Information

Solubility	DMSO: 245 mg/mL (912.71 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	3.7254 mL	18.6268 mL	37.2537 mL
5 mM	0.7451 mL	3.7254 mL	7.4507 mL
10 mM	0.3725 mL	1.8627 mL	3.7254 mL
50 mM	0.0745 mL	0.3725 mL	0.7451 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 M , Yamaguchi R , Hide I , et al. Possible Involvement of Long Chain Fatty Acids in the Spores of Ganoderma lucidum (Reishi Houshi) to Its Anti-tumor Activity[J]. Biological & Pharmaceutical Bulletin, 2008, 31(10): 1933-1937.

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