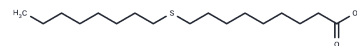


10-Thiastearic Acid

Chemical Properties

CAS No. :	105099-89-6
Formula:	C17H34O2S
Molecular Weight:	302.52
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	Heteroatom-substituted fatty acids have been observed to modulate the extension and desaturating of fatty acids, and to influence their distribution within phospholipids pools. 10-Thiastearic acid inhibits desaturation of radiolabeled stearate to oleate in rat hepatocytes and hepatoma cells by more than 80% at a concentration of 25 μ M. This activity is associated with a hypolipidemic effect, making this 10-thiastearic acid a useful tool for evaluating new anti-obesity therapeutics.
Targets(IC50)	Others

Solubility Information

Solubility	PBS (pH 7.2): 0.15 mg/mL (0.5 mM), Sonication is recommended. DMSO: 10 mg/mL (33.06 mM), Sonication is recommended. DMF: 10 mg/mL (33.06 mM), Sonication is recommended. Ethanol: 10 mg/mL (33.06 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	3.3056 mL	16.5278 mL	33.0557 mL
5 mM	0.6611 mL	3.3056 mL	6.6111 mL
10 mM	0.3306 mL	1.6528 mL	3.3056 mL
50 mM	0.0661 mL	0.3306 mL	0.6611 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

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481