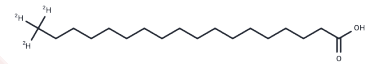


Stearic acid-18,18,18-D3

Chemical Properties

CAS No. :	62163-39-7
Formula:	C18H33D3O2
Molecular Weight:	287.5
Storage:	Keep away from direct sunlight 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	Stearic acid-18,18,18-D3 is a deuterated compound of Stearic acid. Stearic acid (T2P2923) has a CAS number of 57-11-4. 1. Stearic Acid can reduce metastatic tumor burden. 2. Stearic Acid leads to dramatically reduced visceral fat likely by causing the apoptosis of preadipocytes. 3. Stearic Acid and its derivatives have been used as gelators in food and pharmaceutical gel formulations. 4. Stearic Acid is a potent phosphatase 1B inhibitor, possibly causing an enhancement in the insulin receptor signaling to stimulate glucose uptake into adipocytes. 5. Stearic Acid has the potential to increase dry matter intake and yields of milk and milk components, without affecting conversion of feed to milk, body condition score, or body weight.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4783 mL	17.3913 mL	34.7826 mL
5 mM	0.6957 mL	3.4783 mL	6.9565 mL
10 mM	0.3478 mL	1.7391 mL	3.4783 mL
50 mM	0.0696 mL	0.3478 mL	0.6957 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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