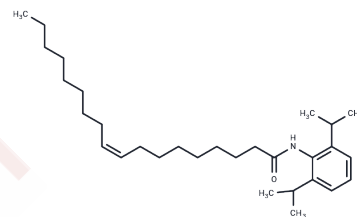


Oleic Acid-2,6-diisopropylanilide

Chemical Properties

CAS No. :	140112-65-8
Formula:	C30H51NO
Molecular Weight:	441.744
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	Oleic acid-2,6-diisopropylanilide is an inhibitor of acylCoA:cholesterol acyltransferase (ACAT), an intracellular cholesteryl ester synthase involved in dietary cholesterol absorption, with an IC50 of 7 nM. When administered at 0.05% to rabbits or rats on a high fat, high cholesterol diet, it reduces low-density lipoproteins and increases high-density lipoprotein levels.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMF: 30 mg/mL (67.91 mM),Sonication is recommended. Ethanol: 30 mg/mL (67.91 mM),Sonication is recommended. PBS (pH 7.2): 1 mg/mL (2.26 mM),Sonication is recommended. DMSO: 30 mg/mL (67.91 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	2.2638 mL	11.3189 mL	22.6378 mL
5 mM	0.4528 mL	2.2638 mL	4.5276 mL
10 mM	0.2264 mL	1.1319 mL	2.2638 mL
50 mM	0.0453 mL	0.2264 mL	0.4528 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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