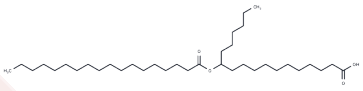
Data Sheet (Cat.No.T84432)

TargetMol

12-SAHSA

Chemical Properties



CAS No. : 51350-61-9

Formula: C36H70O4

Molecular Weight: 566.952

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	Branched fatty acid esters of hydroxy fatty acids (FAHFAs) are lipids recently discovered to be modulated by dietary influences such as fasting and high-fat feeding, and they play a role in enhancing insulin sensitivity. These compounds typically feature a carbon-16 or carbon-18 fatty acid (e.g., palmitoleic, palmitic, oleic, or stearic acid) esterified to a carbon-16 or carbon-18 hydroxy fatty acid. A specific example is 12-SAHSA, which consists of stearic acid linked to 12-hydroxy stearic acid. Notably, 12-SAHSA levels are found to be moderately increased in the serum of glucose tolerant AG4OX mice, a model characterized by adipose tissue-specific overexpression of the Glut4 glucose transporter.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7638 mL	8.8191 mL	17.6382 mL
5 mM	0.3528 mL	1.7638 mL	3.5276 mL
10 mM	0.1764 mL	0.8819 mL	1.7638 mL
50 mM	0.0353 mL	0.1764 mL	0.3528 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.

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