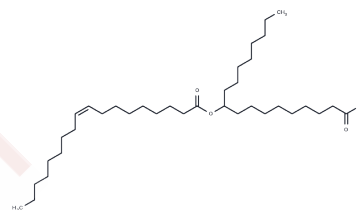


## 10-OAHSA

## Chemical Properties

CAS No. :	2005487-34-1
Formula:	C36H68O4
Molecular Weight:	564.9
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	10-OAHSA is a newly discovered endogenous lipid categorized within the group of branched fatty acid esters of hydroxy fatty acids (FAHFAs). This specific FAHFA comprises oleic acid esterified to 10-hydroxy stearic acid. It stands out among its FAHFA counterparts for its potential bioactive properties, similar to other members of its family such as PAHSAs, which are notably prevalent in the adipose tissue of AG40X mice exhibiting glucose tolerance due to overexpression of the Glut4 glucose transporter specifically in adipose tissue. Like other FAHFAs, 10-OAHSA may play significant roles in enhancing glucose tolerance, stimulating insulin secretion, and exerting anti-inflammatory effects, which suggests its importance in managing metabolic syndrome and inflammation.
Targets(IC50)	Others,Endogenous Metabolite,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7702 mL	8.8511 mL	17.7022 mL
5 mM	0.354 mL	1.7702 mL	3.5404 mL
10 mM	0.177 mL	0.8851 mL	1.7702 mL
50 mM	0.0354 mL	0.177 mL	0.354 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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