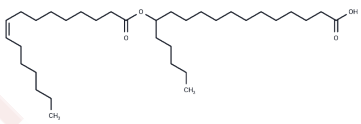
Data Sheet (Cat.No.T84421)

TargetMol

13-POHSA

Chemical Properties



CAS No. : 2126038-97-7

Formula: C34H64O4

Molecular Weight: 536.9

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	13-POHSA (palmitoleic acid esterified to 13-hydroxy stearic acid) is a type of branched fatty acid esters of hydroxy fatty acids (FAHFAs), which have recently been discovered as endogenous lipids whose levels are modulated by fasting and high-fat diets, and are linked to insulin sensitivity in mice. Notably, the concentration of 13-POHSA in the serum significantly increases in glucose tolerant AG4OX mice, a model that overexpresses the Glut4 glucose transporter in adipose tissue, suggesting its physiological relevance. Like other FAHFAs, 13-POHSA is believed to enhance glucose tolerance, promote insulin secretion, and exert anti-inflammatory properties, highlighting its potential importance in managing metabolic syndrome and inflammation.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8625 mL	9.3127 mL	18.6254 mL
5 mM	0.3725 mL	1.8625 mL	3.7251 mL
10 mM	0.1863 mL	0.9313 mL	1.8625 mL
50 mM	0.0373 mL	0.1863 mL	0.3725 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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