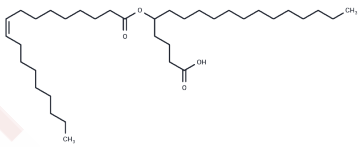
Data Sheet (Cat.No.T84426)

TargetMol

5-OAHSA

Chemical Properties



CAS No. : 1997286-66-4

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	Branched fatty acid esters of hydroxy fatty acids (FAHFAs) are endogenous lipids that are influenced by fasting and high-fat diets and linked to improved insulin sensitivity in mice. These compounds typically feature a chain of either 16 or 18 carbon atoms (for example, palmitoleic, palmitic, oleic, or stearic acid) esterified with a hydroxy fatty acid chain of similar length. One specific FAHFA, known as 5-OAHSA, consists of oleic acid bonded to the fifth carbon of hydroxy stearic acid. Within the FAHFA family, OAHSAs exhibit the highest serum levels in AG4OX mice, which are known for their glucose tolerance attributed to the overexpression of the Glut4 glucose transporter in adipose tissue.
Targets(IC50)	Others,Endogenous Metabolite

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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