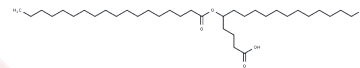


5-SAHSA

Chemical Properties

CAS No. :	2126038-70-6
Formula:	C36H70O4
Molecular Weight:	567
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	15-SAHSA, a branched fatty acid ester of hydroxy fatty acids (FAHFAs), is recognized for its involvement in metabolic regulation. This compound comprises stearic acid esterified to 5-hydroxy stearic acid and is notably influenced by dietary changes, such as fasting and high-fat consumption, with a link to insulin sensitivity. SAHSA levels are specifically found to be moderately increased in the serum of AG40X mice, which are characterized by their glucose tolerance through the overexpression of the Glut4 glucose transporter in adipose tissue. Given the established functions of FAHFAs in enhancing glucose tolerance, prompting insulin secretion, and exerting anti-inflammatory properties, 5-SAHSA emerges as a potential bioactive lipid implicated in the management of metabolic syndrome and inflammation.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7637 mL	8.8183 mL	17.6367 mL
5 mM	0.3527 mL	1.7637 mL	3.5273 mL
10 mM	0.1764 mL	0.8818 mL	1.7637 mL
50 mM	0.0353 mL	0.1764 mL	0.3527 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

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