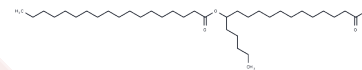


13-SAHSA

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2108907-29-3 |
| 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 | 13-SAHSA, a branched fatty acid ester of hydroxy fatty acids (FAHFAs), has been found to be involved in metabolic regulation, particularly in relation to fasting, high-fat feeding, and insulin sensitivity. This compound is a synthesis of stearic acid and 13-hydroxy stearic acid. Notably, 13-SAHSA levels are found to be moderately increased in the serum of AG4OX mice, which are characterized by their glucose tolerance and expression of the Glut4 glucose transporter specifically in their adipose tissue. Similar to other FAHFAs, 13-SAHSA is believed to play a significant role in enhancing glucose tolerance, stimulating insulin secretion, and exerting anti-inflammatory effects, indicating its potential importance in addressing conditions related to 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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