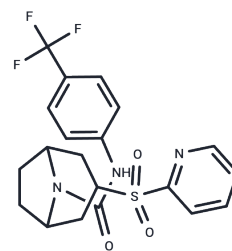


ELOVL6-IN-5

Chemical Properties

CAS No. : 1135000-36-0
 Formula: C₂₀H₂₀F₃N₃O₃S
 Molecular Weight: 439.45
 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	ELOVL6-IN-5 (compound B) acts as an inhibitor targeting the elongase enzyme of the long-chain fatty acid family 6 (ELOVL6). This enzyme is pivotal in the elongation process of saturated and monounsaturated long-chain fatty acids, marking it as a strategic target for diabetes intervention. In a mouse model of diet-induced obesity (DIO), ELOVL6-IN-5 effectively reduces hepatic fatty acid levels. However, it fails to enhance insulin sensitivity.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2756 mL	11.3779 mL	22.7557 mL
5 mM	0.4551 mL	2.2756 mL	4.5511 mL
10 mM	0.2276 mL	1.1378 mL	2.2756 mL
50 mM	0.0455 mL	0.2276 mL	0.4551 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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