

ELOVL6-IN-4

Chemical Properties

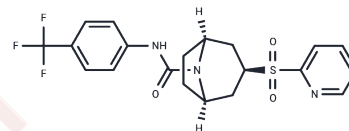
CAS No. : 1170321-92-2

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-4 is a potent and selective ELOVL6 inhibitor (IC ₅₀ = 36 nM). It improves lipid metabolism and insulin sensitivity by reducing LCFA synthesis in obesity and NASH research.
Targets(IC ₅₀)	Others
In vitro	ELOVL6-IN-4 (Compound 1w) reduces the fatty acid elongation index in mouse H2.35 cells (IC ₅₀ = 30 nM) [1].
In vivo	Single oral ELOVL6-IN-4 (1-10 mg/kg) potently suppressed fatty acid elongation in mouse livers [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (182.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

Abraham NG, et al. Heme oxygenase and the cardiovascular-renal system. Free Radic Biol Med. 2005;39(1):1-25.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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