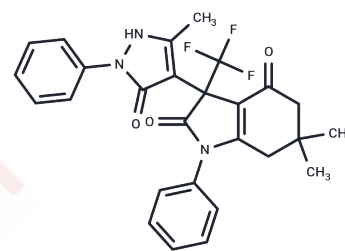


## ELOVL6-IN-3

## Chemical Properties

CAS No. :	712346-06-0
Formula:	C <sub>27</sub> H <sub>24</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	495.49
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-1 is a potent, selective, and orally active inhibitor of ELOVL6, exhibiting dose-dependent inhibition of mouse ELOVL6 with an IC <sub>50</sub> of 0.350 μM and acting as a noncompetitive inhibitor with respect to malonyl-CoA (K <sub>i</sub> =994 nM) and palmitoyl-CoA [1].
Targets(IC <sub>50</sub> )	Others
In vitro	ELOVL6-IN-1 possesses adequate lipophilicity, enabling it to potentially penetrate intracellular spaces via passive diffusion [1].
In vivo	ELOVL6-IN-1, administered orally at a dosage of 10 mg/kg for a duration of 0 to 2 hours, demonstrated significant exposure in both plasma and liver [1]. At dosages of 10 and 30 mg/kg, also administered orally and within the same two-hour time frame, it reduced the elongation index of hepatic lipids [1]. Moreover, when given at a higher dose of 100 mg/kg over a two-day period, ELOVL6-IN-1 decreased the total fatty acid elongation index in the liver [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0182 mL	10.091 mL	20.182 mL
5 mM	0.4036 mL	2.0182 mL	4.0364 mL
10 mM	0.2018 mL	1.0091 mL	2.0182 mL
50 mM	0.0404 mL	0.2018 mL	0.4036 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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