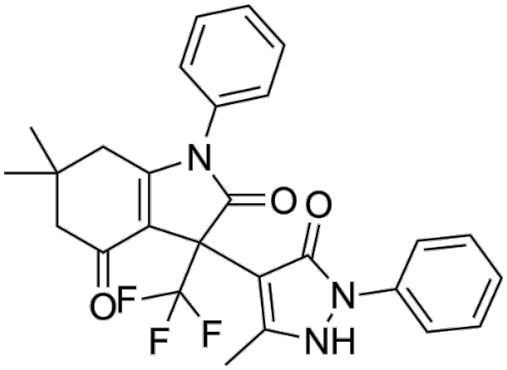
Product Data Sheet

Product Name: ELOVL6-IN-1
Cat. No.: GC70817

Chemical Properties

Cas. No.	712346-06-0		
Formula	$C_{27}H_{24}F_3N_3O_3$	M.Wt	495.49
Solubility	DMSO : 50 mg/mL (100.91 mM; ultrasonic and warming and heat to 60°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)	Storage	
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Product Data Sheet

ELOVL6-IN-1 is a potent, orally active and selective ELOVL6 inhibitor. ELOVL6-IN-1 dose-dependently inhibits mouse ELOVL6 activities, with an IC50 value of 0.350 μM. ELOVL6-IN-1 inhibits ELOVL6 in a noncompetitive manner for malonyl-CoA (Ki=994 nM) and palmitoyl-CoA.

ELOVL6-IN-1 has sufficiently lipophilic having the potential to penetrate the intracellular space in a passive diffusion manner[1].

ELOVL6-IN-1 (10 mg/kg; p.o.; 0~2 hours) displays appreciable plasma and liver exposure [1].
ELOVL6-IN-1 (10 and 30 mg/kg; p.o.; 0~2 hours) reduces the elongation index of the liver lipids[1].
ELOVL6-IN-1 (100 mg/kg; p.o.; 2 days) reduces the elongation index of the total fatty acids of the liver[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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