

Product Data Sheet

Product Name: ELOVL6-IN-1

Cat. No.: GC70817

Chemical Properties

Cas. No. 712346-06-0

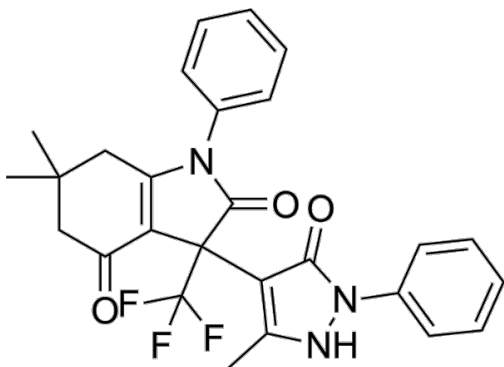
Formula $C_{27}H_{24}F_3N_3O_3$ M.Wt 495.49

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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 μ M. ELOVL6-IN-1 inhibits ELOVL6 in a noncompetitive manner for malonyl-CoA (K_i =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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA