

Product Data Sheet

Product Name: ELOVL1-IN-1

Cat. No.: GC63493

Chemical Properties

Cas. No. 2227482-41-7

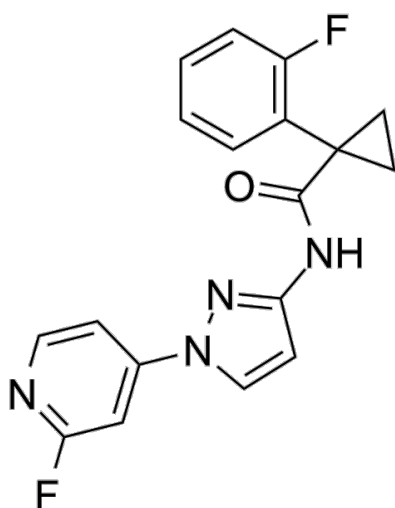
Formula $C_{18}H_{14}F_2N_4O$ M.Wt 340.33

Solubility DMSO : 100 mg/mL (293.83 mM; Need ultrasonic) Storage Store at -20°C

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

ELOVL1-IN-1 is an ELOVL1 inhibitor extracted from patent WO2018107056A1, compound 87. ELOVL1-IN-1 can reduce very long chain fatty acid levels. ELOVL1-IN-1 can be used for the

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

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research of adrenoleukodystrophy (ALD)[1].

ELOVL1-IN-1 (compound 87) (1 nM-10 μ M; 48 h) reduces the the level of VLCFA, lysophosphatidylcholine (LPC) in adrenoleukodystrophy (ALD) patient fibroblasts and healthy human fibroblasts, ALD patient B-lymphocytes, and human microglia[1].

ELOVL1-IN-1 (compound 87) reduces of a VLCFA level, specifically C26:0 LPC level in blood of ABCD1 knockout (KO) mice (0.5-64 mg/kg; p.o. once daily for 28 days), wild-type (WT) rats (30-300 mg/kg; p.o. once daily for 7 days), and cynomolgous monkeys (30 mg/kg; p.o. once daily for 7 days) [1].

[1]. Charifson PS, et, al. 1,3-substitued pyrazole compounds useful for reduction of very long chain fatty acic levels. WO2018107056A1.

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