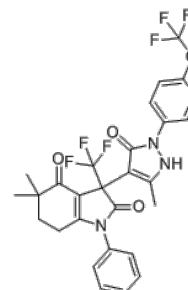


Product Name : ELOVL6 inhibitor 37
Cat. No. : PC-20305
CAS No. : 1067647-43-1
Molecular Formula : C₂₈H₂₃F₆N₃O₄
Molecular Weight : 579.50
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ELOVL6 inhibitor 37 is a potent, selective inhibitor of elongase of long-chain fatty acids family 6 (ELOVL6) with IC₅₀ of 8.9 and 31 nM for human and mouse ELOVL6, respectively.

ELOVL6 inhibitor 37 weakly inhibits hELOVL3 (IC₅₀=337 nM), and does not inhibit hELOVL1, hELOVL2 and hELOVL5 (IC₅₀>10 uM).

ELOVL6 inhibitor 37 (0.1, 0.3, and 1 mg/kg, 0.5% methylcellulose, oral) potently and dose-proportionally suppressed the elongation index in the liver in mice.

References

Toshiyuki Takahashi, et al. J Med Chem. 2009 May 28;52(10):3142-5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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