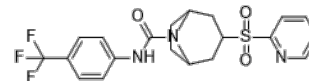


Product Name : ELOVL6 inhibitor 1w
Cat. No. : PC-25568
CAS No. : 1170321-92-2
Molecular Formula : C₂₀H₂₀F₃N₃O₃S
Molecular Weight : 439.45
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ELOVL6 inhibitor 1w (ELOVL6-IN-4) is a potent, selective, and orally available ELOVL6 (long chain fatty acid elongase 6) inhibitor with IC₅₀ of 79 and 94 nM for human and mouse ELOVL6 respectively.

ELOVL6 inhibitor 1w shows high selectivity over the other ELOVL subtypes ELOVL1,2,5 (IC₅₀>5 μM) and mouse ELOVL3 (IC₅₀>10 μM).

ELOVL6 inhibitor 1w effectively reduced the elongation index with IC₅₀ of 30 nM in mouse hepatocyte cell H2.35 assay.

ELOVL6 inhibitor 1w (1-10 mg/kg, p.o.) potently and dose-dependently suppressed the elongation index in the liver in mice.

References

Tsuyoshi Nagase, et al. J Med Chem. 2009 Jul 23;52(14):4111-4.

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

E-mail: tech@probechem.com