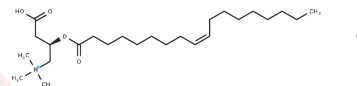


Oleoyl-L-carnitine chloride

Chemical Properties

CAS No. :	31062-78-9
Formula:	C ₂₅ H ₄₈ NO ₄ .Cl
Molecular Weight:	462.11
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Oleoyl-L-carnitine, a long-chain acylcarnitine, acts as a selective inhibitor of glycine transporter 2 (GlyT2; IC ₅₀ = 340 nM) while demonstrating significantly lesser affinity for GlyT1 (IC ₅₀ = >10,000 nM). Elevated plasma levels of this compound have been observed in patients suffering from chronic kidney disease or end-stage renal disease undergoing initial hemodialysis, correlating with an increased risk of cardiovascular mortality.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Ethanol: 30 mg/mL (64.92 mM),Sonication is recommended. DMSO: 30 mg/mL (64.92 mM),Sonication is recommended. DMF: 30 mg/mL (64.92 mM),Sonication is recommended. PBS pH 7.2: 1 mg/mL (2.16 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.164 mL	10.8199 mL	21.6399 mL
5 mM	0.4328 mL	2.164 mL	4.328 mL
10 mM	0.2164 mL	1.082 mL	2.164 mL
50 mM	0.0433 mL	0.2164 mL	0.4328 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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