

Linoleoyl-L-carnitine (chloride)

Chemical Properties

CAS No. :	173686-75-4
Formula:	C ₂₅ H ₄₆ ClNO ₄
Molecular Weight:	460.10
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	Linoleoyl-L-carnitine chloride is a long-chain acylcarnitine and an endogenous intermediate in fatty acid metabolism.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMF: 10.00 mg/mL (21.73 mM),Sonication is recommended. DMSO: 7.50 mg/mL (16.30 mM),Sonication is recommended. Ethanol: 10.00 mg/mL (21.73 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	2.1734 mL	10.8672 mL	21.7344 mL
5 mM	0.4347 mL	2.1734 mL	4.3469 mL
10 mM	0.2173 mL	1.0867 mL	2.1734 mL
50 mM	0.0435 mL	0.2173 mL	0.4347 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.

Reference

Li, et al. A high dose of isoniazid disturbs endobiotic homeostasis in mouse liver. Drug Metab. Dispos. 44(11), 1742-1751 (2016).

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