

## Lauroyl-L-carnitine (chloride)

## Chemical Properties

CAS No. :	6919-91-1
Formula:	C19H38ClNO4
Molecular Weight:	379.962
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	Lauroyl-L-carnitine (chloride) (Lauroyl-L-carnitine Hydrochloride), an acylcarnitine and surfactant, has been used to permeate porcine intestinal cells to deliver the polar fluorescent probe fluorescent yellow.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 30.00 mg/mL (78.96 mM),Sonication is recommended. Methanol: Slightly soluble H2O: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1.00 mg/mL (2.63 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6319 mL	13.1593 mL	26.3186 mL
5 mM	0.5264 mL	2.6319 mL	5.2637 mL
10 mM	0.2632 mL	1.3159 mL	2.6319 mL
50 mM	0.0526 mL	0.2632 mL	0.5264 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

Zhou YJ, et al. Method for synthesis of lauroyl l-carnitine hydrochloride. CN101774934 A.

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