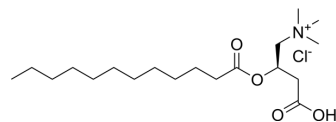


## Lauroyl-L-carnitine chloride

<b>Cat. No.:</b>	HY-130321
<b>CAS No.:</b>	6919-91-1
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>38</sub> ClNO <sub>4</sub>
<b>Molecular Weight:</b>	379.96
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (131.59 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 1.25 mg/mL (3.29 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (3.29 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 1.25 mg/mL (3.29 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Lauroyl-L-carnitine chloride can be used as an absorption enhancer <sup>[1]</sup> .
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### REFERENCES

[1]. Fu, Ling, et al. An oral pharmaceutical composition of a peptide amide compound (I, compound A). The present invention further relates to a method for preparing an oral pharmaceutical composition, and the use of the oral pharmaceutical composition in preparing a drug for treating diseases or conditions related to the κ-opioid receptor. China, WO2021185265. 2021-09-23

**Caution: Product has not been fully validated for medical applications. For research use only.**

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