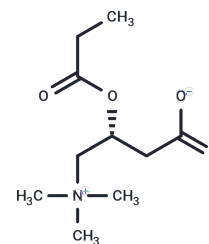


## Levocarnitine propionate

## Chemical Properties

CAS No. :	20064-19-1
Formula:	C10H19NO4
Molecular Weight:	217.26
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Levocarnitine propionate (L-Propionylcarnitine) is a propionyl-coenzyme A (Pro-CoA) derivative with anti-ischemic effects and high affinity for muscle L-carnitine transferase. Levocarnitine propionate enhances substrate oxidation and mitochondrial respiration in the heart of diabetic rats, reduces gastric ulcer area, induces mucosal recovery, and can be used to study acute respiratory distress syndrome and chronic gastric ulcers in Alzheimer's disease.
Targets(IC50)	Apoptosis,Bcl-2 Family,NF-κB,Akt,Endogenous Metabolite,NO Synthase,AMPK,Src, Survivin

## Solubility Information

Solubility	H2O: 150 mg/mL (690.42 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	4.6028 mL	23.0139 mL	46.0278 mL
5 mM	0.9206 mL	4.6028 mL	9.2056 mL
10 mM	0.4603 mL	2.3014 mL	4.6028 mL
50 mM	0.0921 mL	0.4603 mL	0.9206 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

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