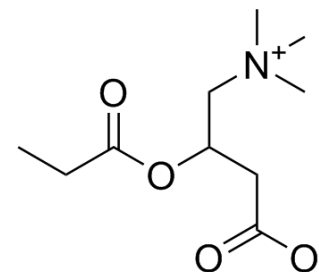


## Propionylcarnitine

Cat. No.:	HY-113092		
CAS No.:	17298-37-2		
Molecular Formula:	C <sub>10</sub> H <sub>19</sub> NO <sub>4</sub>		
Molecular Weight:	217.26		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (575.35 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**  
Solubility: ≥ 2.08 mg/mL (9.57 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**  
Solubility: ≥ 2.08 mg/mL (9.57 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**  
Solubility: ≥ 2.08 mg/mL (9.57 mM); Clear solution

### BIOLOGICAL ACTIVITY

**Description** Propionylcarnitine is a propionyl ester of L-carnitine.

**IC<sub>50</sub> & Target** Human Endogenous Metabolite

### REFERENCES

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

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