

Propionylcarnitine

Chemical Properties

CAS No.:	17298-37-2
Formula:	C ₁₀ H ₁₉ NO ₄
Molecular Weight:	217.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Propionylcarnitine is a propionyl ester of L-carnitine.
Targets(IC ₅₀)	Human Endogenous Metabolite: None

Solubility Information

Solubility	DMSO: 125 mg/mL (575.35 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.603 mL	23.014 mL	46.028 mL
5 mM	0.921 mL	4.603 mL	9.206 mL
10 mM	0.46 mL	2.301 mL	4.603 mL
50 mM	0.092 mL	0.46 mL	0.921 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Vanella A, et al. L -propionyl-carnitine as superoxide scavenger, antioxidant, and DNA cleavage protector. Cell Biol Toxicol. 2000;16(2):99-104.

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