

L-Hexanoylcarnitine

Chemical Properties

CAS No. : 22671-29-0

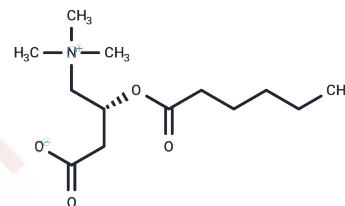
Formula: C13H25NO4

Molecular Weight: 259.34

Storage: Store at low temperature, Keep away from direct sunlight

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	L-Hexanoylcarnitine is a form of acylcarnitine used as a supplement for athletes and fitness enthusiasts to enhance physical performance and promote fat metabolism.
Targets(IC50)	Endogenous Metabolite, Parasite

Solubility Information

Solubility	DMSO: 100 mg/mL (385.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (15.42 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	3.8559 mL	19.2797 mL	38.5594 mL
5 mM	0.7712 mL	3.8559 mL	7.7119 mL
10 mM	0.3856 mL	1.928 mL	3.8559 mL
50 mM	0.0771 mL	0.3856 mL	0.7712 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

Pierre G, et al. Prospective treatment in carnitine-acylcarnitine translocase deficiency. J Inherit Metab Dis. 2007 Oct; 30(5):815.

Bene J, Komlósi K, Gasztonyi B, Juhász M, Tulassay Z, Melegh B. Plasma carnitine ester profile in adult celiac disease patients maintained on long-term gluten free diet. World J Gastroenterol. 2005 Nov 14;11(42):6671-5.

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