

Levocarnitine propionate hydrochloride

Chemical Properties

CAS No. : 119793-66-7

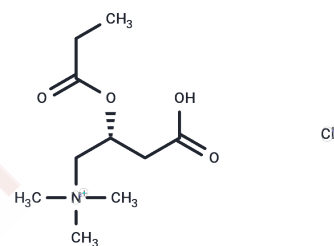
Formula: C₁₀H₂₀ClNO₄

Molecular Weight: 253.72

Storage:

Store at low temperature, Keep away from moisture
 Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Levocarnitine propionate hydrochloride (ST-261) is used for the treatment of the deterioration of renal function, congestive heart failure, intermittent claudication, and other diseases.
Targets(IC50)	Others, Histamine Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (216.77 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: 2 mg/mL (7.88 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	3.9414 mL	19.7068 mL	39.4135 mL
5 mM	0.7883 mL	3.9414 mL	7.8827 mL
10 mM	0.3941 mL	1.9707 mL	3.9414 mL
50 mM	0.0788 mL	0.3941 mL	0.7883 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

Oishi R, et al. Naunyn Schmiedebergs Arch Pharmacol. 1994 Feb;349(2):140-4.

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