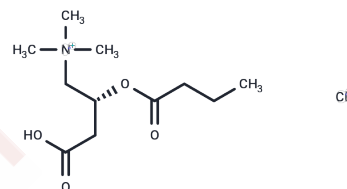


Butyryl-L-carnitine (chloride)

Chemical Properties

CAS No. :	162067-50-7
Formula:	C ₁₁ H ₂₂ ClNO ₄
Molecular Weight:	267.75
Storage:	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	Butyryl-L-carnitine is a butyrate ester of carnitine. It is an inhibitor of intestinal transporters, blocking carnitine uptake by the carnitine transporter and glycine transport by the amino acid transporter in human retinal pigment epithelial (HRPE) cells (IC50s = 1.5 μM and 4.6 mM, respectively).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (37.35 mM),Sonication is recommended. DMF: 20 mg/mL (74.7 mM),Sonication is recommended. Ethanol: 20 mg/mL (74.7 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	3.7348 mL	18.6741 mL	37.3483 mL
5 mM	0.747 mL	3.7348 mL	7.4697 mL
10 mM	0.3735 mL	1.8674 mL	3.7348 mL
50 mM	0.0747 mL	0.3735 mL	0.747 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481