

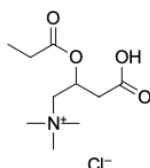
## (C3) Propionylcarnitine

<http://www.lumiprobe.com/p/propionylcarnitine>

Propionyl-L-carnitine chloride, chloride of the ester of propanoic acid and carnitine, is the main analyte in the diagnosis propionic acidemia or methylmalonic acidemia. Propionylcarnitine plays an important role in fatty acid metabolism and energy production in the body.

The product is used primarily as a control for MS/MS.

Propionylcarnitine is included in newborn screening programs based on tandem mass spectrometry.



### Structure of (C3) Propionylcarnitine

#### General properties

Appearance:	white solid
Molecular weight:	253.72
CAS number:	119793-66-7
Molecular formula:	$\text{C}_{10}\text{H}_{20}\text{ClNO}_4$
Solubility:	DMF, DMSO, ethanol
Quality control:	NMR $^1\text{H}$ and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at $-20^\circ\text{C}$ in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.