

## **Lumiprobe Corporation**

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## (C3) Propionyl-L-carnitine-(N-methyl-d3)

http://www.lumiprobe.com/p/propionyl-l-carnitine-d3

Propionyl-L-carnitine-(N-methyl-d3) chloride, also referred to as L-Propionylcarnitine-d3, or C3 Carnitine-d3, is a labeled with stable isotop in the N-methyl position ester of L-carnitine derivative. Isotopically labeled d3-propionylcarnitine is used for metabolic studies and tracking of carnitine.

## Structure of Propionyl-L-carnitine-(N-methyl-d3)

## **General properties**

Appearance: off-white solid

Molecular weight: 256.74

 $\begin{array}{lll} \text{CAS number:} & 1334532\text{-}19\text{-}2 \\ \text{Molecular} & C_{10}\text{H}_{17}\text{D}_3\text{CINO}_4 \\ \end{array}$ 

formula:

IUPAC name: (2R)-3-carboxy-N,N-dimethyl-N-(methyl-d3)-2-(1-oxopropoxy)-1-propanaminium, monochloride

Solubility: DMF, DMSO, ethanol

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+ %, D: 98+ %)

Storage 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

conditions: Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in

food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial

purposes.