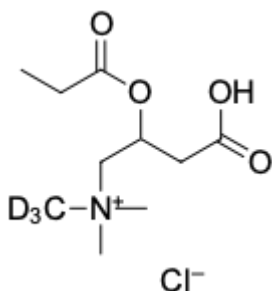


### (C3) Propionyl-L-carnitine-(N-methyl-d3)

<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 isotope 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                                                                                                                                                                                                                                                                                                                          |
| CAS number:         | 1334532-19-2                                                                                                                                                                                                                                                                                                                    |
| Molecular formula:  | C <sub>10</sub> H <sub>17</sub> D <sub>3</sub> ClNO <sub>4</sub>                                                                                                                                                                                                                                                                |
| 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 conditions: | 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. 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. |