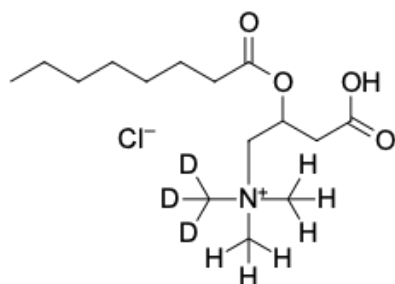


## (C8) Octanoyl-L-carnitine-d3

<http://www.lumiprobe.com/p/octanoyl-l-carnitine-d3>

The physiologically active form of the medium-chain acylcarnitine octanoyl-L-carnitine is a marker of medium-chain acetyl-CoA dehydrogenase deficiency, and is also a marker in the ratios of  $\beta$ -ketothiolase deficiency, holocarboxylase synthesis, biotinidase, and glutaric acidemia. typical and other metabolic disorders.

In the body, octanoyl-L-carnitine may enhance fatty acid oxidation, increase energy expenditure, improve insulin sensitivity, and have neuroprotective effects. Octanoyl-L-carnitine-d3 is a high-purity deuterated compound suitable for pharmaceutical and biochemical research.



**Structure of (C8) Octanoyl-L-carnitine-d3**

### General properties

- Appearance: white solid
- Molecular weight: 326.88
- CAS number: 1334532-24-9
- Molecular formula:  $C_{15}H_{27}D_3ClNO_4$
- Solubility: DMF, DMSO, ethanol
- Quality control: NMR  $^1H$  and HPLC-MS (95+ %, D: 98+ %)
- Storage conditions: 24 months after receipt at  $-20^\circ C$  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.