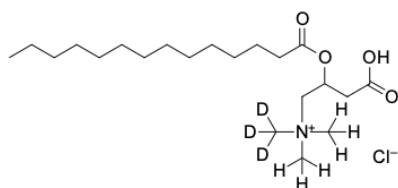


## (C14) Tetradecanoyl-L-carnitine-d3

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

(C14) Tetradecanoyl-L-carnitine-d3 is deuterium labeled myristoyl-L-carnitine and intended for use as an internal standard for the quantification of myristoyl-L-carnitine tetradecanoyl-L-carnitine (C14:1), 3-hydroxytetradecanoylcarnitine (C14ON) by GC- or LC-MS.

In studies of fatty acid oxidation, Myristoyl-L-carnitine-d3 Hydrochloride helps elucidate the role of L-carnitine in the transport of fatty acids into mitochondria, which is critical for understanding energy production in cells.



### Structure of (C14) Tetradecanoyl-L-carnitine-d3

#### General properties

Appearance: beige solid

Molecular weight: 411.03

Molecular formula:  $C_{21}H_{39}D_3ClNO$

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.

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