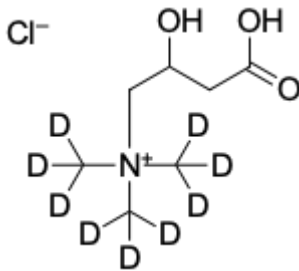


## (C0) L-Carnitine-d9

<http://hk.lumiprobe.com/p/l-carnitine-trimethyl-d9>

Carnitine plays an important role in metabolism in mammals, plants and some bacteria. L-carnitine is involved in fatty acid metabolism, transporting fatty acid chains into the mitochondrial matrix, allowing cells to obtain energy. When using deuterated L-carnitine-d9 as a standard for LC MS/MS, it is possible to determine the content of free carnitine in most biological fluids.

Carnitine and its derivatives are a diagnostic sign of disorders of  $\beta$ -oxidation of fatty acids. Isotopically labeled L-carnitine-d9 is used to determine free carnitine in disease screening, for example: systemic carnitine deficiency, carnitine palmitoyl transferase deficiency.



外观: 白色固體

分子量: 206.72

CAS 编号: 126827-79-0, 2687961-04-0 (chloride)

分子式: C<sub>7</sub>H<sub>7</sub>D<sub>9</sub>ClNO<sub>3</sub>

溶解度: DMF、DMSO、乙醇

质量控制: NMR <sup>1</sup>H 和 HPLC-MS (95+ %, D: 98+ %)

储存条件: 收到後 -20°C 避光保存 24 個月。運輸: 室溫最多可保存3週。乾燥。

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。