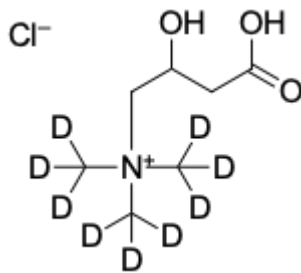


(C0) L-Carnitine-d9

<http://cn.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 β -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: 白色固体

分子

量: 206.72

分子

式:

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

编号:

分子

式: $C_7H_7D_9ClNO_3$

溶解

度:

DMF、DMSO、乙醇

质量

控制:

NMR 1H 和 HPLC-MS (95+%、D: 98+%)

储存

条件:

收到后在

-20°C 黑暗条件下可保存 24 个月。运输: 室温下最多可保存 3 周。干燥。

法律

声明:

本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊断、人类或动物用途, 以及商业用途。