

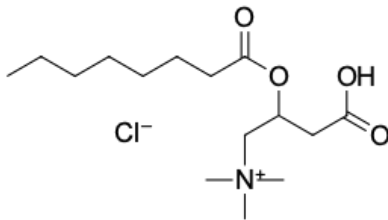
(C8) Octanoylcarnitine

<http://cn.lumiprobe.com/p/octanoylcarnitine>

Octanoylcarnitine, like other acylcarnitines, is an important intermediate in lipid metabolism, necessary for the transport of fatty acids into mitochondria for β -oxidation and ATP production, as well as for the removal of excess short-chain fatty acids. The level of octanoylcarnitine in biological fluids is a diagnostic sign of fatty acid metabolism disorders.

The product is used primarily as a control for MS/MS.

Octanoylcarnitine chloride interferes with the activity of acetyl-CoA carboxylase, an enzyme that catalyzes the conversion of acetyl-CoA to malonyl-CoA. This transformation is a key regulatory step in the process of fatty acid oxidation.



外观: 白色固体

分子量: 323.86

编号: CAS 54377-02-5

分子式: $C_{15}H_{30}ClNO_4$

溶解度: DMF、DMSO、乙醇

质量控制: NMR 1H 和 HPLC-MS (95+%)

储存条件: 收到后在 $-20^{\circ}C$ 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。