

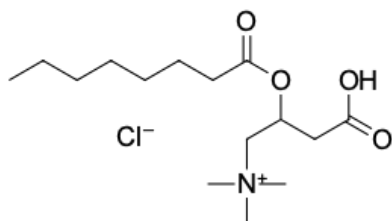
## (C8) Octanoylcarnitine

<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  $\beta$ -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。

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