

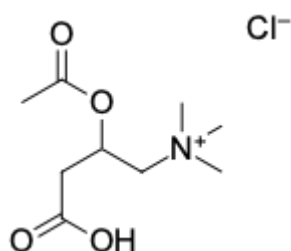
## (C2) Acetylcarnitine

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

Acetylcarnitine is an ester of the amino acid carnitine with an acetyl group, the first representative of short-chain acyl-carnitines.

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

Acetyl-L-carnitine, like other carnitines, is involved in the transport of fatty acids into mitochondria for  $\beta$ -oxidation and energy production. Acetylcarnitine easily penetrates the blood-brain barrier (BBB) and has an effect on the central nervous system (CNS), is used as a neuroprotector, a neurotrophic drug, and has a cholinomimetic effect. It is also a key molecule in the study of aging and related metabolic processes, due to its involvement in lipid metabolism and the production of acetyl-CoA, a central metabolite in many biosynthetic and energy pathways.



外观: 白色固体

分子量: 239.70

CAS 14992-62-2 (inner salt); 5080-50-2 (hydrochloride)

编号:

分子式:  $C_9H_{18}ClNO_4$

溶解度:

水、二甲基亚砷

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。