

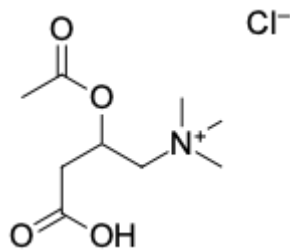
(C2) Acetylcarnitine

<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 β -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

分子式:

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

编号:

分子式: $C_9H_{15}ClNO_4$

溶解度:

水、二甲基亚砷

质量:

控制: NMR 1H 和 HPLC-MS (95+%)

储存:

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:

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