

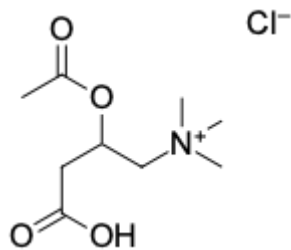
(C2) Acetylcarnitine

<http://hk.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: 白色固體

分子量: 239.70

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

分子式: C₉H₁₈ClNO₄

溶解度: 水、二甲基亞砜

质量控制: NMR ¹H 和 HPLC-MS (95+%)

储存条件: 收到後 -20°C 避光保存 24 個月。運輸: 室溫最多可保存3週。乾燥。

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。