

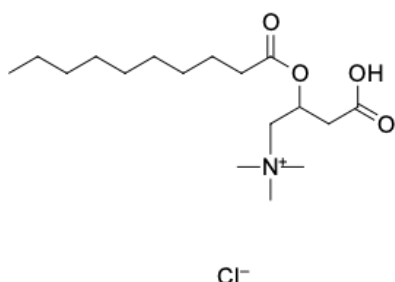
(C10) Decanoylcarnitine

<http://hk.lumiprobe.com/p/decanoylcarnitine-3992-45-8>

Decanoylcarnitine is a decanoic acid ester of carnitine. Decanoylcarnitine is a medium-chain acylcarnitine that may facilitate the transport of long-chain fatty acids into the mitochondria where fatty acids undergo β -oxidation. Decanoylcarnitine is used as an analytical reference standard using GC- or LC-MS methods.

Decanoylcarnitine serves as a specific diagnostic biomarker for metabolites found in medium-chain acyl-CoA dehydrogenase (MCAD) deficiency, especially in neonates, glutaric acidemia type II, celiac disease, and adolescent obesity. Secondary marker of medium-chain ketoacyl-CoA thiolase deficiency.

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



外观:

分子量: 351.91

CAS 编号: 3992-45-8

分子式: $\text{C}_{17}\text{H}_{34}\text{ClNO}_4$

溶解度:

质量控制: NMR ^1H 和HPLC-MS (95+ %)

储存条件: 接收後24個月在黑暗中-20°C。運輸: 在室溫下最多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。