

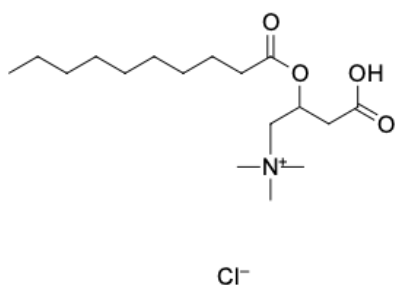
(C10) Decanoylcarnitine

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

Decanoylcarnitine is a decanoic acid ester of carnitine. Decanoylcarnitine bis 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 351.91

量:

CAS 3992-45-8

编号:

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

式:

溶解度:

质量 NMR ^1H 和HPLC-MS (95+%)

控制:

储存 接收后24个月在黑暗中-20°C。运输: 在室温下最多3周。干燥。

条件:

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。