

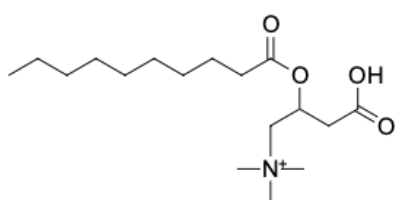
(C10) Decanoylcarnitine

<http://cn.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.



Cl⁻

外观:

分子量: 351.91

分子式:

CAS 3992-45-8

编号:

分子式: C₁₇H₃₄ClNO₄

溶解度:

溶解度:

质量控制:

质量: NMR ¹H和HPLC-MS (95+%)

储存条件:

接收后24个月在黑暗中-20°C。运输: 在室温下最多3周。干燥。

法律声明:

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