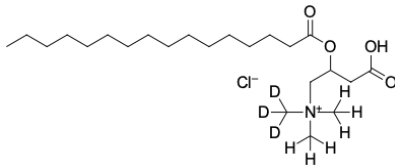


(C16) Hexadecanoyl-L-carnitine-d3

<http://hk.lumiprobe.com/p/hexadecanoyl-l-carnitine-d3>

(C16) Hexadecanoyl-L-carnitine d3 is a deuterated ester of L-carnitine and palmitic acid, intended for use as an internal standard for the quantification of palmitoyl-L-carnitine by GC- or LC-MS.

Also hexadecanoyl-L-carnitine d3(C16) can be used to determine hexadecenoylcarnitine(C16:1), 3-hydroxyhexadecanoylcarnitine (C16OH). These biochemical markers can be used for diagnosis in metabolic diseases: carnitine palmitoyltransferase deficiency type I, type II, carnitine-acylcarnitine translocase (CACT) deficiency. As an auxiliary marker: long-chain 3-hydroxyacyl-CoA dehydrogenase (LCHAD) deficiency, in deficiency of mitochondrial trifunctional protein, propionic and methylmalonic aciduria.



外观: 白色固體

分子量: 439.09

CAS 编号: 1334532-26-1

分子式: $C_{23}H_{43}D_3ClNO_4$

溶解度: DMF, DMSO, 乙醇

质量控制: NMR 1H 和HPLC-MS (95+ & nbsp;% , d: 98+ & nbsp;%)

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。