

Product Data Sheet

Product Name: Hexanoyl-L-carnitine-d3 (chloride)

Cat. No.: GC47431

Chemical Properties

Cas. No. 2483831-95-2

SMILES OC(C[C@H](C[N+](C([2H])([2H])[2H])(C)C)OC(CCCCC)=O)=O.[Cl-]

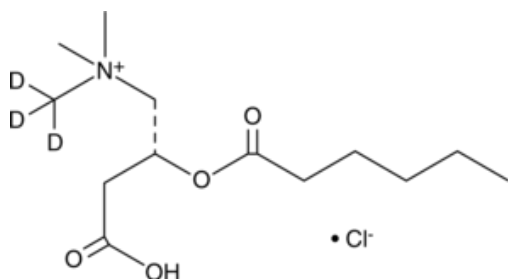
Formula C₁₃H₂₃D₃NO₄.Cl M.Wt 298.8

Solubility DMF: 20 mg/ml, DMSO: 10 mg/ml, Ethanol: 20 mg/ml
Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Hexanoyl-L-carnitine-d₃ is intended for use as an internal standard for the quantification of hexanoyl-L-carnitine by GC- or LC-MS. Hexanoyl-L-carnitine is a medium-chain acylcarnitine. It has been used in the synthesis of acylcarnitine benzyl esters.¹

1. Gong, X.-w., Li, J.-p., Wu, J.-f., et al. Synthesis of carnitine benzyl esters as prodrugs. J. Chem. Res. 2008(6)327-330(2008)

Caution: Product has not been fully validated for medical applications. For research use only.

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