
Product Data Sheet

Product Name: Tetradecanoylcarnitine

Cat. No.: GC30617

Chemical Properties

Cas. No. 25597-07-3

SMILES CCCCCCCCCCCC(O[C@H](CC([O-])=O)C[N+](C)(C)C)=OFormula $C_{21}H_{41}NO_4$ M.Wt 371.55

Solubility H_2O : 100 mg/mL (269.14 mM; Need ultrasonic); DMSO : 25 mg/mL (67.29 mM; ultrasonic and warming and heat to 60°C) Store Storage at -20°C

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

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

Structure **Background**

Tetradecanoylcarnitine is a human carnitine involved in β -oxidation of long-chain fatty acids.

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

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