
Product Data Sheet

Product Name: Tiglyl carnitine

Cat. No.: GC31570

Chemical Properties

Cas. No. 64681-36-3

SMILES C/C=C(C)/C(O[C@H](CC([O-])=O)C[N+](C)(C)C)=OFormula $C_{12}H_{21}NO_4$

M.Wt 243.3

Solubility DMSO : 25 mg/mL (102.75 mM; ultrasonic and warming and heat to 60°C)

Storage Store 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**

Tiglyl carnitine is found to be associated with celiac disease and mitochondrial acetoacetyl-CoA thiolase (T2) deficiency.

[1]. Fukao T, et al. The mitochondrial acetoacetyl-CoA thiolase (T2) deficiency in Japanese patients: urinary organic acid and blood acylcarnitine profiles under stable conditions have subtle abnormalities in T2-deficient patients with some residual T2 activity. J Inherit Metab Dis. 2003;26(5):423-31.

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

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