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**Product Data Sheet**

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Product Name: DL-Carnitine ((±)-Carnitin)

Cat. No.: GC30369

**Chemical Properties**

Cas. No. 406-76-8

SMILES C[N+](C)(C)CC(O)CC([O-])=OFormula  $C_7H_{15}NO_3$ 

M.Wt

161.2

Solubility Soluble in DMSO

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**

DL-Carnitine ((±)-Carnitin) is a racemic mixture of L-Carnitine and D-Carnitine that regulates fatty acid transport in the mitochondrion. DL-carnitine is found to be ineffective or toxic, for example, to muscle cells and to the myocardium. DL-Carnitine causes symptoms of myasthenia and cardiac arrhythmias.

[1] A A Spasov, I N liezhitsa. Ross Fiziol Zh Im I M Sechenova. 2005 Dec;91(12):1469-80.

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

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