

---

**Product Data Sheet**

---

Product Name: (+/-)-Decanoylcarnitine chloride

Cat. No.: GC50004

**Chemical Properties**

Cas. No. 18822-87-2

SMILES O=C(CCCCCCCC)OC(CC(O)=O)C[N+](C)(C)C.[Cl-]Formula  $C_{17}H_{34}ClNO_4$  M.Wt 351.91

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**

Homolog of acetylcarnitine chloride.

Chalmers et al (1984) Urinary excretion of l-carnitine and acylcarnitines by patients with disorders of organic acid metabolism: evidence for secondary insufficiency of l-carnitine. *Pediatr.Res.* 18 1325 PMID:6441143 |Coates and Tanaka (1992) Molecular basis of mitochondrial fatty acid oxidation defects. *J.Lipid.Res.* 33 1099 PMID:1431593 |Poorthuis et al (1993) Determination of acylcarnitines in urine of patients with inborn errors of metabolism using HPLC after derivatization with 4'-bromophenacyl bromide. *Clin.Chim.Acta* 216 53 PMID:8222273

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA