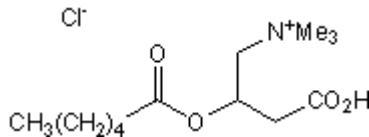


Certificate of Analysiswww.tocris.com**Product Name:** (±)-Hexanoylcarnitine chloride**Catalog No.:** 0526**Batch No.:** 4

CAS Number: 6920-35-0

1. PHYSICAL AND CHEMICAL PROPERTIES**Batch Molecular Formula:** C₁₃H₂₆CINO₄**Batch Molecular Weight:** 295.81**Physical Appearance:** White solid**Solubility:** water to 100 mM
phosphate buffered saline to 100 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.42 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])**Melting Point:** Between 151 - 153°C**Chiral HPLC:** Shows 100% purity**¹H NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 52.78 8.86 4.74

Found 52.83 8.67 4.78

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

www.tocris.com**Product Name:** (±)-Hexanoylcarnitine chloride**Catalog No.:** 0526**Batch No.:** 4

CAS Number: 6920-35-0

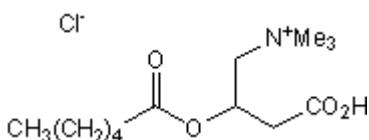
Description:

Homolog of acetylcarnitine chloride (Cat. No. 0355).

Physical and Chemical Properties:Batch Molecular Formula: C₁₃H₂₆ClNO₄

Batch Molecular Weight: 295.81

Physical Appearance: White solid

Minimum Purity: >98%**Batch Molecular Structure:****Storage:** Store at -20°C**Solubility & Usage Info:**water to 100 mM
phosphate buffered saline to 100 mM**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.**References:**

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.

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