

1. Identification

Catalogue Number

M318900

Lot Number

1-ESL-78-6

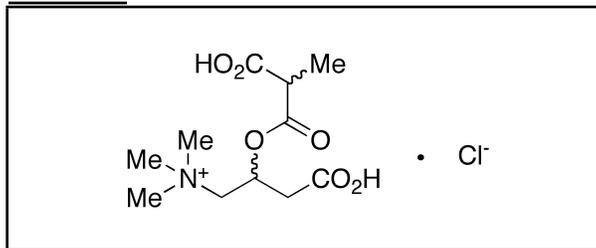
Product Name

Methylmalonyl DL-Carnitine Chloride (Mixture of Diastereomers)

Synonyms

3-Carboxy-2-(2-carboxy-1-oxopropoxy)-N,N,N-trimethyl-1-propanaminium Chloride;

Structure



CAS Number

821794-54-1

Solubility

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₁H₂₀ClNO₆

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

297.73

Purity

94%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Off-White Sticky Solid to Low-Melting Solid

Results

Colourless to Off-White Sticky Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 41.45, %H: 7.45, %N: 4.43

HPLC Purity

Report Result

94.52% (ELSD)

MS

Conforms to Structure

Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by

Nicole Yip
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Chanell Chu
Quality Assurance Associate

Test Date

7/27/2024

Retest Date

7/25/2028