



1. Identification

Catalogue Number

H830900

Lot Number

15-YSW-87-1

Product Name

3-Hydroxybutyrylcarnitine Chloride

Synonyms

(2R)-3-carboxy-2-(3-hydroxy-1-oxobutoxy)-N,N,N-trimethyl-1-propanaminium
Hydrochloride

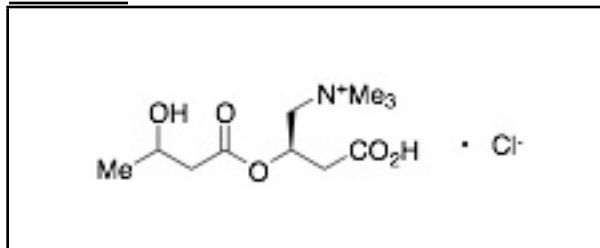
CAS Number

N/A

Solubility

Methanol (Slightly), Water (Slightly)

Structure



Molecular Formula

C₁₁H₂₂ClNO₅

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

283.75

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Pale Yellow Thick Oil to Solid

Results

Off-White Sticky Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 43.02, %H: 8.14, %N: 4.66

HPLC Purity

>95%

99.14% (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 $\pm 2\%$. 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

R. Swathi

Swathi Reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

5/1/2025

Retest Date

4/29/2029