



## 1. Identification

### Catalogue Number

TRC-T793780

### Lot Number

2-RGP-26-1

### Product Name

Tiglylcarnitine Hydrochloride

### Synonyms

(2R)-3-Carboxy-N,N,N-trimethyl-2-[[[(2E)-2-methyl-1-oxo-2-buten-1-yl]oxy]-1-propanaminium Inner Salt Hydrochloride; [R-(E)]-3-Carboxy-N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-butenyl)oxy]-1-propanaminium Inner Salt Hydrochloride; (2R)-[R-(E)]-3-Carboxy-N,N,N-trimethyl-2-[[[(2E)-2-methyl-1-oxo-2-butenyl]oxy]-1-

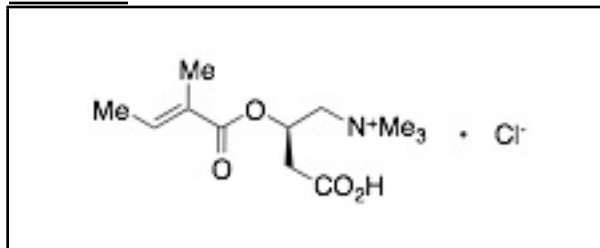
### CAS Number

N/A

### Solubility

Methanol (Slightly), Water (Slightly)

### Structure



### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>12</sub>H<sub>22</sub>ClNO<sub>4</sub>

### Source of Product

Synthetic

### Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

### Molecular Weight

279.76

### Purity

96%

## 2. Warnings

Light Sensitive

## 3. Analytical Information

### Tests

Appearance

### Specifications

White to Off-White Solid

### Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 49.27, %H: 8.15, %N: 4.87

MS

Conforms to Structure

Conforms

Water Content

Report Result

~4.4% based on Elemental Analysis

Specific Rotation

Report Result

-26.0° (c = 0.5, Water)

### 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

Evan Burns

### Reviewed by

### C of A Approved by

### Test Date

1/6/2022

### Retest Date

1/4/2026

Evan Burns

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Jr. Quality Assurance