

**1. Identification**Catalogue Number

M884745

Lot Number

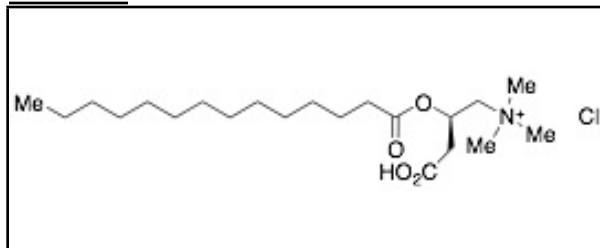
16-DPM-2-3

Product Name

Myristoyl-L-carnitine Hydrochloride

Synonyms

(R)-3-Carboxy-N,N,N-trimethyl-2-[(1-oxotetradecyl)oxy]-1-propanaminium Chloride

StructureCAS Number

173686-73-2

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_{21}H_{42}ClNO_4$ Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

408.02

Purity

98%

**2. Warnings**

Hygroscopic

**3. Analytical Information**

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 61.98, %H: 10.86, %N: 3.23
HPLC Purity	Report Result	100.00% (ELSD)
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	8.7%
Specific Rotation	Report Result	-7.9° (c = 0.3, 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  $\pm 2\%$ . 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**

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			7/6/2022	7/4/2026
Nicole Yip	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Jr. Quality Assurance		