

## 1. Identification

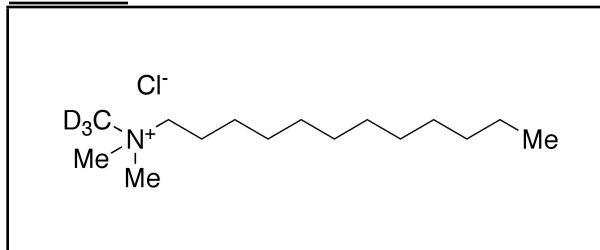
Catalogue Number

D525502

Lot Number

8-MRS-49-2

Structure



Product Name

Dodecyltrimethylammonium-d3 Chloride

Synonyms

N,N,N-(Trimethyl-d3)-1-dodecanaminium Chloride; Adogen 412-d3; Alicop-d3; Laurtrimonium-d3 Chloride; Lauryl(trimethyl-d3)ammonium Chloride; Lauryltrimonium-d3 Chloride; Monolauryl(trimethyl-d3)ammonium Chloride;

CAS Number

1219337-20-8

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>15</sub>H<sub>31</sub>D<sub>3</sub>ClN

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

266.91

Purity

>95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 65.25, %H: 12.67, %N: 5.55

HPLC Purity

>95%

99.99% (ELSD)

Isotopic Purity

>95%

>99.9%

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.00%, d<sub>2</sub> = 0.00%, d<sub>3</sub> = 100.00%

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

*Neha*

Neha Khanna

Product Quality Specialist

Reviewed by

*Toni Rantanen*

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

*Sadaf Samadi*

Sadaf Samadi

Quality Assurance Associate

Test Date

6/25/2024

Retest Date

6/23/2031