

1. Identification

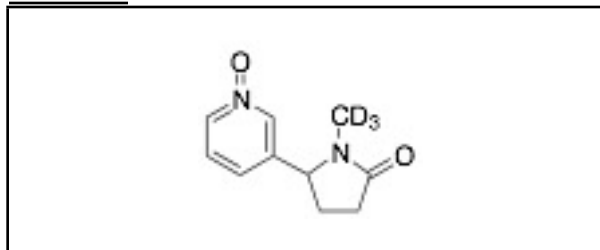
Catalogue Number

C725203

Lot Number

1-MAN-155-1

Structure



Product Name

(R,S)-Cotinine-d3 N-Oxide

Synonyms

5-(R,S)-1-(Methyl-d3)-5-(1-oxido-3-pyridinyl)-2-pyrrolidinone; Cotinine-d3 N-oxide;

CAS Number

1215561-37-7

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₀H₉D₃N₂O₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

195.23

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: 61.36, %H: 6.38, %N: 14.32

HPLC Purity

>95%

99.07% (210 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.2%

Additional Information

Normalized Intensity: d₀ = 0.07%, d₁ = 0.03%, d₂ = 2.21%, d₃ = 97.69%

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

Sarbjit Kaur

Sarbjit Kaur

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

11/14/2023

Retest Date

11/12/2030