

**1. Identification**Catalogue Number

C725179

Lot Number

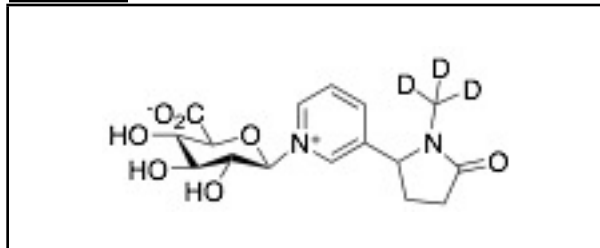
2023-GHZ-177

Product Name

Cotinine-d3 N-b-D-Glucuronide (Mixture of Diastereomers)

Synonyms

1-β-D-Glucopyranuronosyl-3-[1-methyl-5-oxo-2-pyrrolidinyl]pyridinium-d3 Inner Salt; (Cotinine-d3)-N-glucuronide;

StructureCAS Number

N/A

Solubility

DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₁₆H₁₇D₃N₂O₇Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

355.36

Purity

95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 52.05, %H: 5.99, %N: 7.56
HPLC Purity	Report Result	96.21% (210 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%
Specific Rotation	Report Result	+32.1° (c = 0.1, Water)

Additional InformationNormalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
R. Swathi Reddy	Toni Rantanen	Chanell Chu	4/26/2023	4/24/2027
Swathi Reddy	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Jr. Quality Assurance		