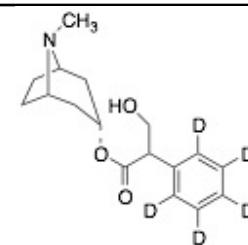


CERTIFICATE OF ANALYSIS**1. Identification**

Catalogue Number A794627 Lot Number 17-MGG-53-5

Product Name
Atropine-d5

StructureSynonyms

α -(Hydroxymethyl)benzeneacetic Acid-d5 (3-endo)-8-Methyl-8-azabicyclo[3.2.1]

CAS Number

N/A Solubility
Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

$C_{17}H_{18}D_5NO_3$ Source of Product
Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

294.4 Purity
>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Pale Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 69.13, %H: 7.96, %N: 4.68
HPLC Purity	>95%	99.22% (205 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.7%

Additional Information

Normalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.15\%$, $d_3 = 6.44\%$, $d_4 = 93.41\%$

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>
			8/18/2023	8/16/2027

Meenakshi Sharma
Product Quality Specialist

Toni Rantanen
Manager, Quality Assurance

Christina Gouliaras
Quality Assurance Associate