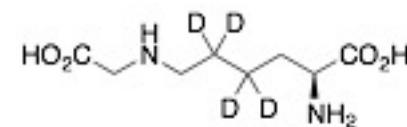


CERTIFICATE OF ANALYSIS**1. Identification**

Catalogue Number C180077 Lot Number 24-MVI-189-1

Product Name
Nε-(1-Carboxymethyl)-L-lysine-d4

StructureSynonyms

2-Amino-6-(carboxymethylamino)hexanoic Acid-d4; N6-(Carboxymethyl)lysine-d4; N6-(Carboxymethyl)-L-lysine-d4; CML-d4;

CAS Number

936233-18-0 Solubility Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₈H₁₂D₄N₂O₄ Source of Product Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

208.25 Purity >95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 45.53, %H: 8.20, %N: 13.11
HPLC Purity	>95%	99.76% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	97.9%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.02%, d₂ = 0.00%, d₃ = 8.38%, d₄ = 91.60%

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> 11/13/2023	<u>Retest Date</u> 11/11/2027
Sarjeet Kaur Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Quality Assurance Associate		