



1. Identification

Catalogue Number

C180077

Lot Number

24-MVI-189-1

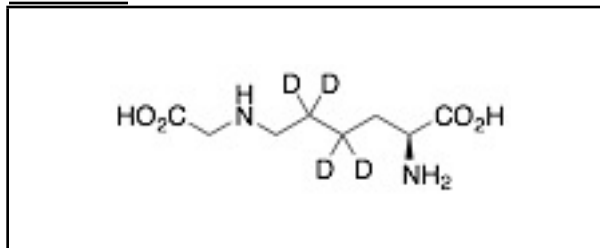
Product Name

Nε-(1-Carboxymethyl)-L-lysine-d4

Synonyms

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

Structure



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 ± 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>
			11/13/2023	11/11/2027
Sarbjit Kaur	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		