



1. Identification

Catalogue Number

C178072

Lot Number

7-RTW-7-3

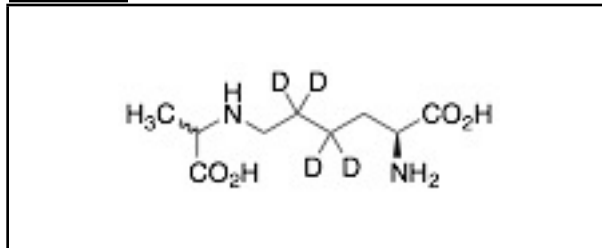
Product Name

Nε-(1-Carboxyethyl)-L-lysine-d4(Mixture of Diastereomers)

Synonyms

Nε-(1-Carboxyethyl)lysine-d4; N6-(1-Carboxyethyl)-L-lysine-d4;

Structure



CAS Number

N/A

Solubility

Aqueous Base (Very Slightly), Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₉H₁₄D₄N₂O₄

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

222.27

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests	Specifications	Results
Appearance	White to Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 47.05, %H: 8.43, %N: 12.06
HPLC Purity	>95%	99.02% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.9%
Specific Rotation	Report Result	+3.3° (c = 0.1, Water)

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.01%, d₂ = 0.00%, d₃ = 4.25%, d₄ = 95.74%

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	Reviewed by	C of A Approved by	Test Date	Retest Date
			3/5/2023	3/3/2027
Neha Khanna Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Jr. Quality Assurance		