

**1. Identification**Catalogue Number

M800000

Lot Number

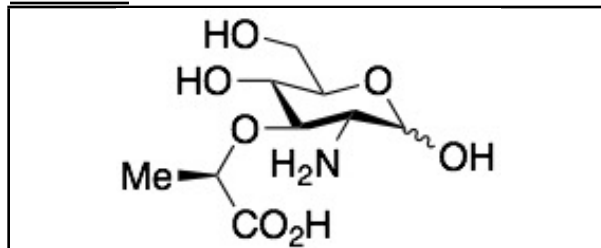
2025-CPO-060

Product Name

Muramic Acid

Synonyms

(R)-2-Amino-3-O-(1-carboxyethyl)-2-deoxy-D-glucose;

StructureCAS Number

1114-41-6

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature With Dry Pack

Molecular Formula $C_9H_{17}NO_7$ Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere

Molecular Weight

251.24

Purity

>95%

2. Warnings

Very Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Dark Brown Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 42.47, %H: 6.70, %N: 5.30
HPLC Purity	>95%	99.46% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+108.1° (c = 0.2, Water, 4 Hours)

Additional Information

N/A

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>
			8/18/2025	8/16/2029
Jessica Wang Chi	Toni Rantanen	Nicole Badiali		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		