

## 1. Identification

Catalogue Number

TRC-N240115

Lot Number

2-PVA-57-1

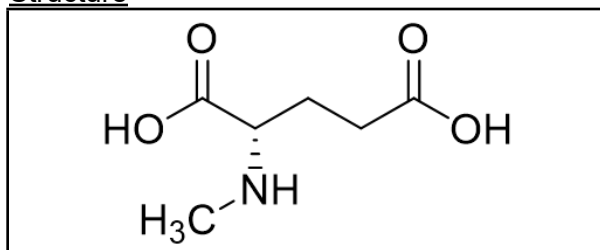
Product Name

N-Methyl-L-glutamic Acid

Synonyms

N-Methyl-L-glutamic Acid; (2S)-2-(Methylamino)pentanedioic Acid; N-Methylglutamic Acid;

Structure



CAS Number

6753-62-4

Solubility

Aqueous Acid (Slightly), DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>6</sub>H<sub>11</sub>NO<sub>4</sub>

Source of Product

N/A

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

161.16

Purity

97%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 43.82, %H: 7.45, %N: 8.56

HPLC Purity

Report Result

97.47% (ELSD)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+26.3° (c = 0.2, 1N HCl)

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 ± 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

Henry Tieu  
Product Quality Specialist

Reviewed by

Toni Rantanen  
Manager, Quality Assurance

C of A Approved by

Chanell Chu  
Jr. Quality Assurance

Test Date

12/9/2021

Retest Date

12/7/2025