

1. Identification

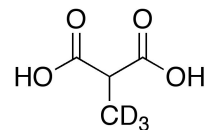
Catalogue Number

M318862

Lot Number

2024-TCO-081

Structure



Product Name

Methylmalonic Acid-d3

Synonyms

Methyl-d3-propanedioic Acid; 2-Methyl-d3-propanedioic Acid; 1,1-Ethanedicarboxylic Acid-d3; Isosuccinic Acid-d3; NSC 2520-d3;

CAS Number

42522-59-8

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₄H₃D₃O₄

Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

121.11

Purity

>95%

2. Warnings

Not Determined

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: 39.70, %H: 4.77

HPLC Purity

>95%

98.55% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.8%

Additional Information

Normalized Intensity: d₀ = 0.07%, d₁ = 0.03%, d₂ = 0.30%, d₃ = 99.61%

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

Sadaf Samadi

Sadaf Samadi

Quality Assurance Associate

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

11/15/2024

Retest Date

11/13/2028