



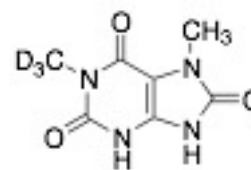
1. Identification

Catalogue Number

D479697

Lot Number

3-MMH-127-2

StructureProduct Name

1,7-Dimethyluric Acid-d3

Synonyms

7,9-Dihydro-1-(methyl-d3)-7-methyl-1H-purine-2,6,8(3H)-trione;

CAS Number

1189713-08-3

Solubility

DMSO (Slightly), Water (Very Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_7H_5D_3N_4O_3$ Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

199.18

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Off-White to Light Grey Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 41.93, %H: 4.09, %N: 27.01

HPLC Purity

>95%

98.73% (285 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.8%

Additional InformationNormalized Intensity: $d_0 = 0.07\%$, $d_1 = 0.22\%$, $d_2 = 0.00\%$, $d_3 = 99.71\%$

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

Reviewed by

Farnaz Mahmoudi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

3/31/2025

Retest Date

3/29/2035