



1. Identification

Catalogue Number

D477622

Lot Number

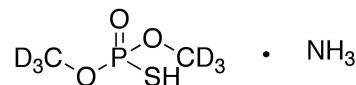
1-VBN-51-1

Product Name

O,O-Dimethyl Phosphorothionate-d6 Ammonium Salt

Synonyms

Phosphorothioic Acid O,O-Dimethyl Ester-d6 Ammonium Salt; Ammonium Methyl Phosphorothioate-d6; Phosphorothioic Acid O,O-Dimethyl Ester-d6 Ammonium Salt; Ammonium O,O-Dimethyl Phosphorothioate-d6; Ammonium O,O-Dimethyl Thiophosphate-d6; Ammonium Dimethyl Phosphorothioate-d6;

StructureCAS Number

1330162-95-2

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_2H_4D_6NO_3PS$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

165.18

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

Off-White Solid

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 14.10, %H: 6.08, %N: 8.20

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

>99.9%

Additional Information

Normalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.00\%$, $d_3 = 0.01\%$, $d_4 = 0.06\%$, $d_5 = 0.00\%$, $d_6 = 99.93\%$

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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Nicole Badiali

Quality Assurance Associate

Test Date

8/14/2025

Retest Date

8/12/2029