



CERTIFICATE OF ANALYSIS

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1. Identification

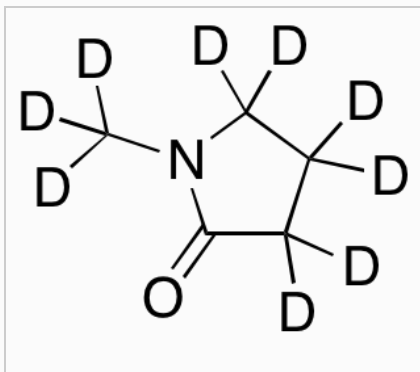
Catalogue Number: M326119

CAS Number: 185964-60-7

Product: 1-Methyl-2-pyrrolidinone-d9

Synonym: 1-Methyl-5-pyrrolidinone-d9; 1-Methylazacyclopentan-2-one-d9; 1-Methylpyrrolidone-d9; AgsolEx 1-d9; M-Pyrol-d9; Microposit 2001-d9; N 0131-d9; N-Methyl-2-ketopyrrolidine-d9; N-Methyl-γ-butyrolactam-d9; N-Methylbutyrolactam-d9; N-Methylpyrrolidone-d9; NMP-d9; NSC 4594-d9; Pharmasolve-d9; Pyrol M-d9; SL 1332-d9; N-methyl-2-pyrrolidone-d9

Structure:



Molecular Formula:

C₅D₉NO

Molecular weight:

108.19

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 2023-QIU-300

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

Specifications:

Results:

Appearance

Colourless to Pale Yellow Oil

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

GC Purity

Report Result

99.58%

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.3%

Elemental Analysis

Conforms

%C: 54.32, %H: 8.79, %N: 13.54

Additional Information:

Normalized Intensity: d0 = 0.00%, d1 = 0.09%, d2 = 0.00%, d3 = 0.05%, d4 = 0.03%, d5 = 0.10%, d6 = 0.05%, d7 = 0.09%, d8 = 4.56%, d9 = 95.04%

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjeeet Kaur	Toni Rantanen	Chanell Chu	7/31/2023	7/29/2027
