

New\_CofAS Print

## 1. Identification

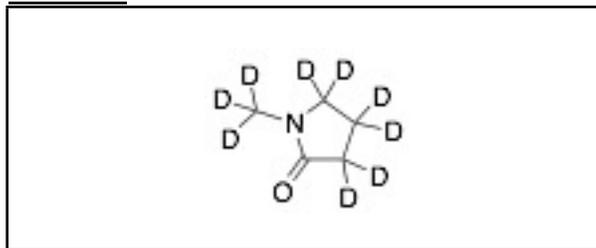
Catalogue Number

M326119

Lot Number

22-JPO-121-1

Structure



Product Name

1-Methyl-2-pyrrolidinone-d9

Synonyms

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

CAS Number

185964-60-7

Solubility

Chloroform (Slightly), Methanol (Sparingly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>5</sub>D<sub>9</sub>NO

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

108.19

Purity

98%

Calibri

C<sub>5</sub>D<sub>9</sub>NO  
C<sub>5</sub>D<sub>9</sub>NO

Courier

C<sub>5</sub>D<sub>9</sub>NO  
C□D□NO

Arial MT

C<sub>5</sub>D<sub>9</sub>NO  
C□D□NO

Arial

C□D□NO  
C□D□NO

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Appearance

Specifications

Colourless Oil

Results

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 54.38, %H: 8.56, %N: 13.36

GC

Report Result

99.95%

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

96.6%

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 1.06%, d<sub>2</sub> = 2.82%, d<sub>3</sub> = 0.37%, d<sub>4</sub> = 0.00%, d<sub>5</sub> = 0.00%, d<sub>6</sub> = 0.15%, d<sub>7</sub> = 0.00%, d<sub>8</sub> = 0.00%, d<sub>9</sub> = 95.60%

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

Evan Burns

Reviewed by

C of A Approved by

Test Date

4/1/2022

Retest Date

3/30/2026

Evan Burns  
Product Quality Specialist

Toni Rantanen  
Manager, Quality Assurance

Chanell Chu  
Jr. Quality Assurance