

## 1. Identification

Catalogue Number

N633049

Lot Number

18-MNZ-76-1

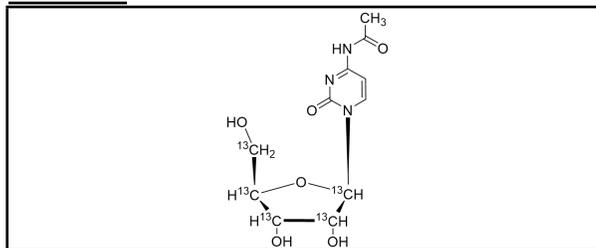
Product Name

N4-Acetylcytidine-13C5

Synonyms

N-(1,2-Dihydro-2-oxo-1-β-D-ribofuranosyl-4-pyrimidinyl)acetamide-13C5;

Structure



CAS Number

N/A

Solubility

DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>6</sub><sup>13</sup>C<sub>5</sub>H<sub>15</sub>N<sub>3</sub>O<sub>6</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

290.22

Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Specifications

Results

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	95.96% (215 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.2%

Additional Information

Normalized Intensity: <sup>13</sup>C<sub>0</sub> = 0.10%, <sup>13</sup>C<sub>1</sub> = 0.87%, <sup>13</sup>C<sub>2</sub> = 0.00%, <sup>13</sup>C<sub>3</sub> = 0.44%, <sup>13</sup>C<sub>4</sub> = 4.34%, <sup>13</sup>C<sub>5</sub> = 94.25%

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

*Neha*

Neha Khanna

Product Quality Specialist

Reviewed by

*Toni Rantanen*

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

*Chanell Chu*

Chanell Chu

Quality Assurance Associate

Test Date

6/27/2024

Retest Date

6/25/2028