



CERTIFICATE OF ANALYSIS

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1. Identification

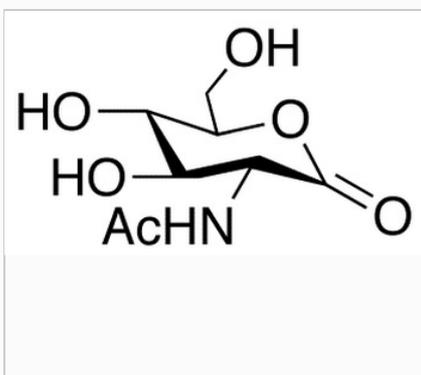
Catalogue Number: A156000

CAS Number: 19026-22-3

Product: 2-Acetamido-2-deoxy-D-glucono-1,5-lactone (>80%)

Synonym: N-Acetylglucosamino-1,5-lactone; 2-Acetamido-2-deoxy-D-gluconolactone; 2-Acetamido-2-deoxy-D-glucono-(1→5)-lactone; 2-Acetamido-2-deoxy-D-gluconolactone; 2-Acetamido-2-deoxygluconolactone; CD 80110; N-Acetylglucosamino-1,5-lactone; N-Acetylglucosaminono-(1→5)-lactone;

Structure:



Molecular Formula:

$C_8H_{13}NO_6$

Molecular weight:

219.19

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 5-MSE-22-1

Purity: >80%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|--------------------------|-------------------------------|
| Appearance | White to Off-White Solid | White to Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 43.39, %H: 6.10, %N: 6.23 |
| HPLC Purity | Report Result | 87.07% (ELSD) |
| Specific Rotation | Report Result | +122.5° (c = 0.2, Water) |
| MS | Conforms to Structure | Conforms |
| C NMR | Conforms to Structure | Conforms |

Additional Information: N/A

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

Nicole Yip



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

6/23/2021

Retest Date

6/21/2025