



CERTIFICATE OF ANALYSIS

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1. Identification

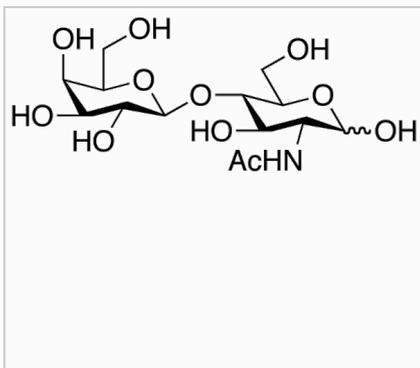
Catalogue Number: A180000

CAS Number: 32181-59-2

Product: N-Acetylglucosamine

Synonym: LacNAc, 2-(Acetylamino)-2-deoxy-4-O- β -D-galactopyranosyl-D-glucose; 2-Acetamido-2-deoxy-4-O- β -D-galactopyranosyl-D-glucopyranose; N-Acetyl-4-O- β -D-galactopyranosyl-D-glucosamine; Gal β -(1-4)-D-GlcNAc;

Structure:



Molecular Formula:

C₁₄H₂₅NO₁₁

Molecular weight:

383.35

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 711879280-1-1

Purity: 97%

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:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 41.96, %H: 6.67, %N: 3.44
HPLC Purity	Report Result	97.20% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+36.4° (c = 0.1, Water)
Appearance	White to Pale Beige Solid	White to Off-White Solid

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Meenakshi Sharma	Toni Rantanen	Chanell Chu	10/30/2023	10/28/2027