



CERTIFICATE OF ANALYSIS

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1. Identification

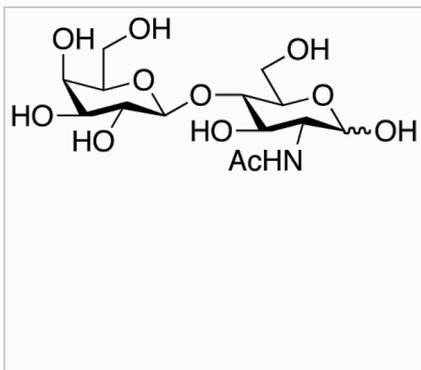
Catalogue Number: A180000

CAS Number: 32181-59-2

Product: N-Acetylactosamine

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:

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

Lot Number: 3-XGI-53-3

Purity: 95%

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	White to Pale Beige Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 42.08, %H: 7.09, %N: 3.26
MS	Conforms to Structure	Conforms
Water Content	Report Result	~3.5% based on Elemental Analysis

Additional Information: Contains: ~4.9% Methanol

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
Evan Burns	Toni Rantanen	Chanell Chu	2/11/2022	2/9/2026

Evan Burns