



CERTIFICATE OF ANALYSIS

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1. Identification

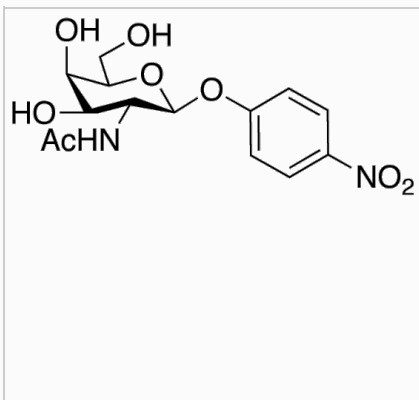
Catalogue Number: N500010

CAS Number: 14948-96-0

Product: p-Nitrophenyl 2-Acetamido-2-deoxy-
b-D-galactopyranoside

Synonym: GalNAc1-β-PNP; p-Nitrophenyl β-D-N-Acetylgalactosaminide; p-Nitrophenyl-N-acetyl-β-D-galactosaminide; p-Nitrophenyl-β-N-acetylgalactosaminide;

Structure:



Molecular Formula:

C₁₄H₁₈N₂O₈

Molecular weight:

342.3

Source of Product:

Synthetic

Solubility:

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

Lot Number: 2-AFB-124-1

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1: Hygroscopic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Specific Rotation	Report Result	+21.1° (c = 0.1, Water)
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 46.72, %H: 5.40, %N: 7.73
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.67% (305 nm)

Additional Information: Elemental Analysis: (Theoretical) %C: 49.12, %H: 5.30, %N: 8.18

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Hanxiang Li	Toni Rantanen	My Nguyen	4/15/2020	4/13/2030

Hanxiang Li

Toni Rantanen

My Nguyen