

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Product No.: AG223000

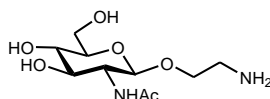
CAS No.: N/A

Product Name: 2-Aminoethyl 2-acetamido-2-deoxy-β-D-glucopyranoside

Other Names: β-D-GlcNAc-O-(CH₂)₂-NH₂; β-GlcNAc-Et-NH₂; β-GlcNAc-Et-Amine; 2-Aminoethyl N-acetyl-β-D-glucosaminide

Description: Amine-functionalized, short ethyl linker/spacer. Reactive with aldehydes and carboxylic acids.

Structure:



Formula: C₁₀H₂₀N₂O₆

Mol. Wt.: 264.28

Exact Mass: 264.13

CHARACTERIZATION

PROPERTY

OBSERVATION

Appearance & Physical State:

white, solid powder

Proton (¹H) NMR (D₂O, 400 MHz):

Conforms

Mass Spectrometry (ESI-POS):

Conforms,
[M+H]⁺ = 264.9
[2M+H]⁺ = 528.9
[M+H+CO₂]⁺ = 308.9⁴

Purity (>95% estimated from ¹H NMR):

Conforms

BATCH INFORMATION

Lot No.:

XXXXXX

Date Prepared:

XXXXXX

NOTES

1. This product is stable at room temperature. Store as lyophilized powder at -20 ± 5°C.
2. Keep dry. Allow container and contents to warm to room temperature before opening.
3. Use in aldehyde/carboxylic acid-free solvents.
4. Mass Spec signal at 308.9 is a product/CO₂ adduct formed by the ion reacting with CO₂, a component of air, naturally dissolved in the solvent.