

**CERTIFICATE OF ANALYSIS**

**GENERAL INFORMATION**

**Product No.:** AG142000

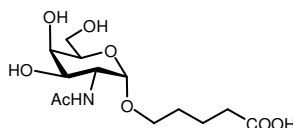
**CAS No.:** N/A

**Product Name:** 4-Carboxybutyl 2-acetamido-2-deoxy- $\alpha$ -D-galactopyranoside

**Other Names:**  $\alpha$ -GalNAc-Bu-COOH;  $\alpha$ -D-GalNAc-Bu-COOH;  $\alpha$ -D-GalNAc-Bu-Carboxylic Acid; 4-Carboxybutyl N-acetyl- $\alpha$ -D-galactosaminide; 4-Carboxybutyl 2-acetyl-amino-2-deoxy- $\alpha$ -D-galactopyranoside; 4-Carboxybutyl N-acetyl- $\alpha$ -D-galactosamine

**Description:** N/A

**Structure:**



**Formula:** C<sub>13</sub>H<sub>23</sub>NO<sub>8</sub>

**Mol. Wt.:** 321.32

**Exact Mass:** 321.14

**CHARACTERIZATION**

**PROPERTY**

**OBSERVATION**

**Appearance & Physical State:**

White, solid powder

**Proton NMR (D<sub>2</sub>O, 400 MHz):**

Conforms

**Mass Spectrometry (ESI-POS):**

Conforms, [M+H]<sup>+</sup> = 322.2  
[2M+H]<sup>+</sup> = 643.3

**Purity (>95% by HPLC):**

N/A

**BATCH INFORMATION**

**Lot No.:**

XXXXXX

**Date Prepared:**

XXXXXX

**NOTES**

1. Store as lyophilized powder at -20 ± 5°C.
2. Keep dry. Allow container and contents to warm to room temperature before opening.
3. Avoid storing product in solutions.