

## CERTIFICATE OF ANALYSIS

### GENERAL INFORMATION

**Product No.:** GA211000

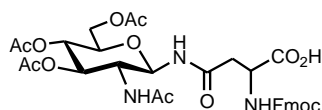
**CAS No.:** 131287-39-3

**Product Name:** Fmoc-Asn( $\beta$ -D-GlcNAc(Ac)<sub>3</sub>)-OH

**Other Names:** Fmoc-Asn( $\beta$ -D-GlcNAc)-OH, peracetate; Fmoc-Asn(Ac<sub>3</sub>AcNH- $\beta$ -Glc)-OH; Fmoc-Asn(GlcNAc(Ac)<sub>3</sub>- $\beta$ -D)-OH; N- $\alpha$ -Fmoc-N- $\gamma$ -(2-acetamido-2-deoxy-3,4,6-tri-O-acetyl- $\beta$ -D-glucopyranosyl)-L-asparagine

**Description:** N/A

**Structure:**



**Formula:** C<sub>33</sub>H<sub>37</sub>N<sub>3</sub>O<sub>13</sub>

**Mol. Wt.:** 683.66

**Exact Mass:** 683.23

### CHARACTERIZATION

**PROPERTY**

**OBSERVATION**

**Appearance & Physical State:**

White to off-white, solid powder

**Proton NMR** (d<sub>6</sub>-DMSO, 400 MHz):

Conforms

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

Conforms, [M+H]<sup>+</sup> = 684.2  
[M+NH<sub>4</sub><sup>+</sup>]<sup>+</sup> = 701.3

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

Conforms, >97%

### 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.