

**CERTIFICATE OF ANALYSIS**

**GENERAL INFORMATION**

**Product No.:** BT000020

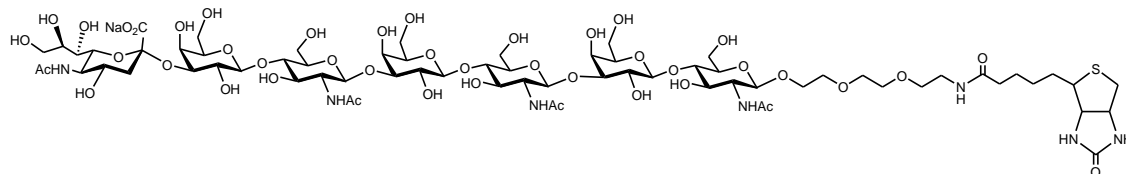
**CAS No.:** N/A

**Product Name:** 3'-Sialyl-tri-N-acetylactosamine: Neu5Ac $\alpha$ 2-3triLacNAc-PEG3-Biotin (Single Arm)

**Other Names:** 3SLN3-PEG3-Biotin; Neu5Ac $\alpha$ 2-3LacNAc3-PEG3-Biotin; Neu5Ac $\alpha$ 2-3(Gal $\beta$ 1-4Glc $\beta$ 1-3)3 $\beta$ -PEG3-Biotin; Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc- $\beta$ -PEG3-Biotin

**Description:** N/A

**Structure:**



**Formula:** C<sub>69</sub>H<sub>114</sub>N<sub>7</sub>NaO<sub>43</sub>S

**Mol. Wt.:** 1784.72

**Exact Mass:** 1783.66

**CHARACTERIZATION**

**PROPERTY**

**OBSERVATION**

**Appearance & Physical State:**

White, solid powder

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

Conforms

**gHSQC 2D NMR:**

Conforms

**gCOSY 2D NMR:**

Conforms

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

Conforms, [M+2H]<sup>2+</sup> = 894.0

[M-Na+2H]<sup>2+</sup> = 882.48

[2(M-Na)+3H]<sup>3+</sup> = 1176.48

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

Conforms, >98%

**BATCH INFORMATION**

**Lot No.:**

XXXXXX

**Date Prepared:**

XXXXXX

<b>NOTES</b>
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1. Store as lyophilized powder at  $-20 \pm 5^{\circ}\text{C}$ .
2. Keep dry. Allow container and contents to warm to room temperature before opening.
3. Avoid storing product in solutions.
4. Formerly PE037015 and BT001020.