

**CERTIFICATE OF ANALYSIS**

**GENERAL INFORMATION**

**Product No.:** BT500020

**CAS No.:** N/A

**Product Name:** Glucose (Glc):  $\beta$ -D-Glc-PEG8-Biotin

**Other Names:** Biotinyl-PEG8- $\beta$ -D-glucofuranoside

**Description:**  $\beta$ -Glc linked to biotin via a discrete, monodisperse octaethylene glycol (PEG8) spacer

**Structure:**



**Formula:** C<sub>32</sub>H<sub>59</sub>N<sub>3</sub>O<sub>15</sub>S

**Mol. Wt.:** 757.89

**Exact Mass:** 757.37

**CHARACTERIZATION**

PROPERTY	OBSERVATION
<b>Appearance &amp; Physical State:</b>	Clear/colourless, lyophilized oil
<b>Proton NMR (D<sub>2</sub>O, 600 MHz):</b>	Conforms
<b>Mass Spectrometry (ESI-POS):</b>	Conforms, [M+H] <sup>+</sup> = 758.2 [M+NH <sub>4</sub> ] <sup>+</sup> = 775.4
<b>Purity (&gt;95% by HPLC):</b>	Conforms

**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.
4. Formerly product PE587000 and BT000520.