

**CERTIFICATE OF ANALYSIS**

**GENERAL INFORMATION**

**Product No.** GP100067

**CAS No.:** NA

**Product Name:** MUC1(126-149)-Tn(130,131)

**Sequence:** PAPGS(GalNAc)T(GalNAc)APPAHGVTSAPDTRPAPG-OH trifluoroacetate salt

**Glycosylation:** *O*- $\alpha$ -D-GalNAc

**Description:** Synthetic glycopeptide. Glycosylated Mucin-1 (MUC1) peptide fragment containing amino acid sequence Pro126-Gly149 (24 AA in length) from the tandem repeat (TR) region of the MUC1 protein (Swiss-Prot ID P15941). Tumour-associated cancer antigen, Tn-antigen, *O*-glycosylation ( $\alpha$ GalNAc) at Ser130 and Thr131. The C-terminus is carboxylic acid.

**Formula:** C<sub>111</sub>H<sub>175</sub>N<sub>31</sub>O<sub>42</sub>

**Mol. Wt.:** 2615.76

**Exact Mass:** 2614.25

**CHARACTERIZATION**

**PROPERTY**

**TEST RESULT**

**Appearance / Physical State:**

White, lyophilized solid

**Purity (>90% via HPLC):**

Conforms, >95%

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

Conforms, [M+3H]<sup>3+</sup> = 872.7  
 [M+3H-Pro]<sup>3+</sup> = 839.8  
 [M+3H+K]<sup>4+</sup> = 664.4

**BATCH INFORMATION**

**Lot Number:**

XXXXXX

**Date Prepared:**

XXXXXX

**NOTES**

1. Store as lyophilized powder -20 ± 5 °C.
2. Keep dry. Allow container and contents to rise to room temperature before opening
3. Avoid storing peptide solutions. If necessary, freeze peptide solutions.