

CERTIFICATE OF ANALYSIS**GENERAL INFORMATION****Product No.** GP100064 **CAS No.** NA**Product Name:** MUC1(126-149)-Tn(144)**Sequence:** PAPGSTAPPAHGVTSAPDT(GalNAc)RPAPG-OH trifluoroacetate salt**Glycosylation:** *O*- α -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 (GalNAc) at Thr144. The C-terminus is carboxylic acid.

Formula: C₁₀₃H₁₆₂N₃₀O₃₇**Mol. Wt.:** 2412.57**Exact Mass:** 2411.17**CHARACTERIZATION****PROPERTY****TEST RESULT****Appearance / Physical State:**

White, lyophilized solid

Purity (>90% via HPLC):

Conforms, >98%

Mass Spectrometry (ESI-POS):Conforms, [M+3H]³⁺ = 804.9**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.