

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Product No.: BT100020

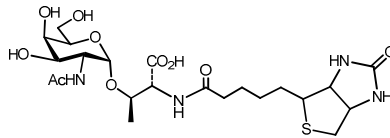
CAS No.: N/A

Product Name: Tn Antigen (Threonine, Biotin)

Other Names: Biotinyl Tn Antigen (Threonine); N-Biotin-Thr(α -GalNAc)-OH (free acid); α -D-GalNAc-Thr-NH-Biotin

Description: N/A

Structure:



Formula: C₂₂H₃₆N₄O₁₀S

Mol. Wt.: 548.61

Exact Mass: 548.22

CHARACTERIZATION

PROPERTY	OBSERVATION
Appearance & Physical State:	White, solid powder
Proton NMR (D₂O, 400 MHz):	Conforms
Mass Spectrometry (ESI-POS):	Conforms, [M+H] ⁺ = 549.1 [2M+H] ⁺ = 1097.1
(ESI-NEG):	Conforms, [M-H] ⁻ = 546.9 [2M-H] ⁻ = 1095.3
Purity (>95% by HPLC):	Conforms, >98%

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 BT000120.