

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Product No.: BT100000

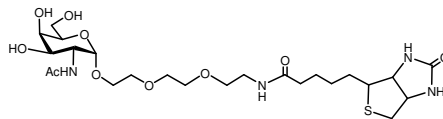
CAS No.: N/A

Product Name: N-Acetyl-D-galactosamine (GalNAc): α -D-GalNAc-PEG3-Biotin

Other Names: Biotinyl-PEG3-2-acetamido-2-deoxy- α -D-galactopyranoside; 8-Biotinamido-3,6-dioxaoctanyl 2-acetamido-2-deoxy- α -D-galactopyranoside; α -GalNAc linked to biotin via a short triethylene glycol spacer

Description: Alpha-N-acetyl-D-galactosamine (α -D-GalNAc) is the carbohydrate component of the Tn antigen, an aberrant glycosylation pattern and tumor-associated carbohydrate antigen (TACA). This product uses an amphiphilic triethylene glycol (PEG3) linker/spacer between carbohydrate and biotin.

Structure:



Formula: C₂₄H₄₂N₄O₁₀S

Mol.Wt.: 578.68

Exact Mass: 578.26

CHARACTERIZATION

PROPERTY	OBSERVATION
Appearance & Physical State:	White, solid powder
Proton NMR (d ₆ -DMSO, 500 MHz):	Conforms
Mass Spectrometry (ESI-POS):	Conforms, [M+H] ⁺ = 579.5
Purity (>95% by HPLC):	Conforms, >98%

BATCH INFORMATION

Lot No.: 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.