

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Product No.: PE434015

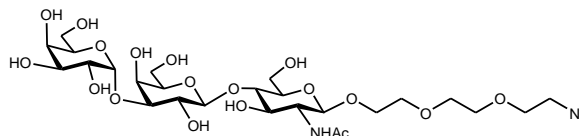
CAS No.: N/A

Product Name: α -Gal-LacNAc-PEG3-N₃

Other Names: Gal α 1-3Gal β 1-4GlcNAc-PEG3-N₃; α -Gal-(1,3)- β -Gal-(1,4)- β -GlcNAc-PEG3-Azide; α -1,3-Gal epitope

Description: The α -Gal epitope (Gal α 1-3Gal β 1-4GlcNAc-R) is abundantly expressed on proteins of non-primate mammals, prosimians and New World monkeys but is not expressed on proteins of Old World monkeys, apes and humans which produce natural anti-Gal antibodies that specifically bind the α -epitope.

Structure:



Formula: C₂₆H₄₆N₄O₁₈

Mol. Wt.: 702.66

Exact Mass: 702.28

CHARACTERIZATION

PROPERTY	OBSERVATION
Appearance & Physical State:	White, solid powder
Proton NMR (D₂O, 400 MHz):	Conforms
Mass Spectrometry (ESI-POS):	Conforms, [M+H] ⁺ = 703.3 [2M+H] ⁺ = 1405.8
Purity (>95% by HPLC):	Conforms, >99%

BATCH INFORMATION

Lot No.:	XXXXXX
Date Prepared:	XXXXXX

NOTES

1. Solubility: H₂O
2. Store as lyophilized solid at -20 ± 5°C.
3. Keep dry. Allow container and contents to warm to room temperature before opening.
4. Avoid storing product in solutions.