

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Product No.: PE105000

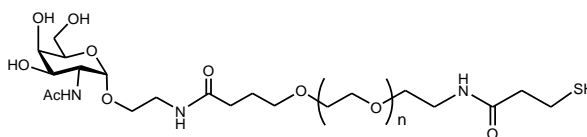
CAS No.: N/A

Product Name: GalNAc Ligand: α -GalNAc-PEG5000-Thiol

Other Names: α -D-GalNAc-PEG5000-SH

Description: α -D-GalNAc-sp-(CH₂CH₂O)_n-sp-SH, n = 113 ave.

Structure:



Estimated Average Mol. Wt (PEG5000 + saccharide + linkers): 5,500

CHARACTERIZATION

| PROPERTY | OBSERVATION |
|--|---|
| Appearance & Physical State: | White, solid powder |
| Proton NMR (D₂O, 500 MHz): | Conforms |
| Mass Spectrometry (ESI-POS): | Conforms, [M+8H] ⁺⁸ = 505-805 Corresponds to an average molecular weight of 5,350 |
| Purity (>95% by Proton NMR): | Conforms, >95% |

BATCH INFORMATION

| | |
|-----------------------|--------|
| Lot No.: | XXXXXX |
| Date Prepared: | XXXXXX |

NOTES

1. Store under inert gas at -20 ± 5°C.
2. Hygroscopic. Keep dry. Allow container and contents to warm to room temperature before opening.
3. Avoid storing product in solutions. Avoid use of DMSO as solvent.
4. Sample may contain a small amount of disulfide dimer.