Certificate of Analysis

Bromoacetamido-PEG4-NHS ester

 Cat. No.:
 HY-141387

 CAS No.:
 1260139-70-5

Batch No.: 292121

Chemical Name: 4,7,10,13-Tetraoxa-16-azaoctadecanoic acid, 18-bromo-17-oxo-, 2,5-dioxo-1-pyrrolidinyl ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₇H₂₇BrN₂O₉

Molecular Weight: 483.31

Storage: Pure form -20°C 3 years

In solvent -80°C 6 months

-20°C 1 month

Chemical Structure:

 $\mathsf{Br} \overset{\mathsf{O}}{\underset{\mathsf{H}}{\bigvee}} \mathsf{O} \overset{\mathsf{O}}{\underset{\mathsf{O}}{\bigvee}} \mathsf{O} \overset{\mathsf{O}}{\underset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}}{\overset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}}{\underset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}}{\overset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}}{\underset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}}{\overset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}} \mathsf{O} \overset{\mathsf{O}} \mathsf{O} \overset{\mathsf{O}} \mathsf{O} \overset{\mathsf{O}}{\overset{\mathsf{O}}} \mathsf{O} \overset{\mathsf{O}} \mathsf{O} \overset{\mathsf{O}} \mathsf{O} \overset{\mathsf{O}}$

ANALYTICAL DATA

Appearance: Colorless to light yellow (Viscous Liquid)

¹H NMR Spectrum: Consistent with structure LCMS: Consistent with structure

Purity (NMR): ≥95.0%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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