

Certificate of Analysis

m-PEG5-NHS ester

Cat. No.: HY-133065 CAS No.: 874208-94-3 Batch No.: 291740

Chemical Name: 4,7,10,13,16-Pentaoxaheptadecanoic acid, 2,5-dioxo-1-pyrrolidinyl ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{16}H_{27}NO_9$ Molecular Weight: 377.39

Storage: Pure form -20°C 3 years

> In solvent -80°C 6 months

> > -20°C 1 month

Chemical Structure:

ANALYTICAL DATA

Colorless to light yellow (Liquid) Appearance:

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

Purity (NMR): ≥98.0%

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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