Certificate of Analysis

HS-PEG5-CH2CH2NH2 (hydrochloride)

Cat. No.: HY-130872A

CAS No.: 1446256-16-1

Batch No.: 390874

Chemical Name: 3,6,9,12,15-Pentaoxaheptadecane-1-thiol, 17-amino-, hydrochloride (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₂H₂₈ClNO₅S

Molecular Weight: 333.87

Storage: -20°C, sealed storage, away from moisture and light

 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and

light

Chemical Structure:

 $\mathsf{HS} \overset{\mathsf{O}}{\longleftarrow} \overset{\mathsf{O}}{\bigcirc} \overset{\mathsf{O}}{\longleftarrow} \overset{\mathsf{O}}{\bigcirc} \overset{\mathsf{O}}{\longleftarrow} \mathsf{NH}_2$

ANALYTICAL DATA

Appearance: Colorless to light yellow (Liquid)

¹H NMR Spectrum: Consistent with structure

MS: Consistent with structure

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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