

## **Certificate of Analysis**

## S-acetyl-PEG4-amine (TFA)

**Cat. No.:** HY-138752A **Batch No.:** 386494

Chemical Name: S-(14-Amino-3,6,9,12-tetraoxatetradecyl) ethanethioate 2,2,2-trifluoroacetate

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>14</sub>H<sub>26</sub>F<sub>3</sub>NO<sub>7</sub>S

Molecular Weight: 409.42

Storage: -20°C, protect from light

\* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**Chemical Structure:** 

$$\begin{array}{c} \overset{\circ}{\underset{S}{\longrightarrow}} \circ & \circ & \circ & \circ & \circ \\ & \overset{\circ}{\underset{F}{\longrightarrow}} \circ & \circ & \circ & \circ \\ & \overset{\circ}{\underset{F}{\longrightarrow}} \circ & \circ & \circ \\ & & & & & & \\ \end{array}$$

## **ANALYTICAL DATA**

Appearance:

Light brown to brown (Oil)

H NMR Spectrum:

Consistent with structure

Consistent with structure

Purity (LCMS): 95.31%

**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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