## **Certificate of Analysis**

## Mal-amido-PEG4-TFP ester

 Cat. No.:
 HY-140978

 CAS No.:
 1807540-84-6

Batch No.: 86144

Chemical Name: 4,7,10,13-Tetraoxa-16-azanonadecanoic acid, 19-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-17-oxo-,

2,3,5,6-tetrafluorophenyl ester

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{24}H_{28}F_4N_2O_9$ 

Molecular Weight: 564.48

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

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

**Chemical Structure:** 

## ANALYTICAL DATA

Appearance: Colorless to light yellow (Viscous Liquid)

<sup>1</sup>H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 99.32%

**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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA