## **Certificate of Analysis**

### Utreglutide

Batch No.:

 Cat. No.:
 HY-P3388

 CAS No.:
 2460862-12-6

Chemical Name: L-Leucine, L-histidyl-2-methylalanyl-L-α-glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-

seryl-L- $\alpha$ -aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutaminyl-L-al anyl-L-alanyl-N6-[N-(17-carboxy-1-oxoheptadecyl)-L- $\gamma$ -glutamyl-2-methylalanyl-2-[2-(2-aminoe thoxy)ethoxy]acetyl]-L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-le

ucyl-L-valyl-L-arginylglycyl-L-arginylglycyl-

#### PHYSICAL AND CHEMICAL PROPERTIES

 $\label{eq:control_state} \mbox{Molecular Formula:} \qquad \qquad \mbox{$C_{191}$H$}_{298}\mbox{$N_{46}$O$}_{58}$ 

Molecular Weight: 4166.67

**Storage:** Sealed storage, away from moisture

337492

Powder -80°C 2 years -20°C 1 year

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

**Chemical Structure:** 

# Utreglutide

#### **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

MS: Consistent with structure

Purity (HPLC): 98.42%

**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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