

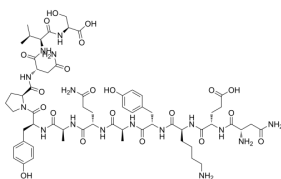
## LLO (190-201)

|                |  |
|----------------|--|
| Cat. No.:      | HY-P5412   |
| CAS No.:       | 331941-87-8  |
| Batch No.:     | 378504   |
| Chemical Name: | L-Serine, L-asparaginyl-L- $\alpha$ -glutamyl-L-lysyl-L-tyrosyl-L-alanyl-L-glutamyl-L-alanyl-L-tyrosyl-L-prolyl-L-asparaginyl-L-valyl- |

### PHYSICAL AND CHEMICAL PROPERTIES

|                    |   |
|--------------------|---|
| Molecular Formula: | $C_{61}H_{90}N_{16}O_{21}$  |
| Molecular Weight:  | 1383.46   |
| Storage:           | Sealed storage, away from moisture  |
|                    | 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:



### ANALYTICAL DATA

|                      |   |
|----------------------|---|
| Appearance:          | White to off-white (Solid)  |
| LCMS:                | Consistent with structure   |
| Purity (LCMS):       | 98.61%  |
| Peptide Content (%): | 81.53%  |
| 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