



Certificate of Analysis

LL-37

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|--------------------|---|---------------------|------------|
| Product Name: | LL-37 | CAS No.: | |
| Molecular Formula: | C205H340N60O53 | Molecular Weight: | 4493.74 |
| Quantity: | 51.5g | Manufacturing Date: | 02-05-2020 |
| Lot No: | PS-500297 | Retest Date: | 02-05-2022 |
| Sequence | LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES | | |
| Store at: | Cool dry place (2-8°C, away from the light) | | |

| Tests: | Specifications | Results |
|------------------------------|----------------|----------|
| Appearance | White powder | Conforms |
| Purity (HPLC) | ≥98% | 98.59% |
| Acetate Content (HPLC) | ≤12.0% | 6.42% |
| Peptide Content (N%) | ≥80.0% | 86.5% |
| Water Content (Karl Fischer) | ≤10.0% | 3.59% |
| MS (ESI) | Conforms | Conforms |
| Mass Balance | 95.0~105.0% | Conforms |

Conclusion: Complies with the manufacturer's standard.

Quality Control by: Mike P. 02-05-2020

- 1) The shipment contains Chemically Synthesized Peptide. (Synthetic Protein). It is not derived from human, animal or plant.
 - 2) The above material is to be used exclusively for in vitro laboratory research purposes only. It has no commercial resale value. It is NOT for Human or Animal Consumption.
 - 3) The material is NOT hazardous, nor infectious. The material is NOT an immunogen. It is NOT a drug or a controlled substance.
 - 4) It does NOT contain any animal or cell culture derived products or additives such as Albumin or Serum.
- The Material is NON-HAZARDOUS
For Laboratory Research Use Only