



AMINO PEPTIDES

PRODUCT SPECIFICATION SHEET

Note: This document details the theoretical chemical properties and target specifications of this research compound. For batch-specific, independent laboratory test results, please refer to the independent Certificate of Analysis (C.O.A.) provided on our product page.

1. Product Identification

Product Name: LL-37

Synonyms: Cathelicidin LL-37, Ropocamptide, hCAP-18 (fragment), CAP-18

CAS Number: 154947-66-7

PubChem CID: 16198951

2. Chemical Properties

Amino Acid Sequence:

Leu-Leu-Gly-Asp-Phe-Phe-Arg-Lys-Ser-Lys-Glu-Lys-Ile-Gly-Lys-Glu-Phe-Lys-Arg-Ile-Val-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser

Molecular Formula: $C_{205}H_{340}N_{60}O_{53}$

Theoretical Molecular Weight: 4493.34 Da

Form: Lyophilised powder

Appearance: Solid, White

3. Target Specifications

Target Purity (HPLC): $\geq 98.0\%$

Target Identity (MS): Expected MW 4493.34 Da (\pm standard analytical tolerance)

Expected Peptide Content: $\geq 80.0\%$

4. Storage and Handling Guidelines

Storage (Lyophilised): Store at -20°C or below. Protected from light and moisture.

Storage (Reconstituted): Store at 2°C to 8°C for up to 20 days. Do not freeze once reconstituted.

Usage: For laboratory research and in-vitro use only. Not for human or veterinary use.