



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: KLOW BLEND

Synonyms: GHK-Cu / BPC-157 / TB-500 / KPV Blend

CAS Number: 49557-75-7 (**GHK-Cu**), 137525-51-0 (**BPC-157**), 77591-33-4 (**TB-500**), 673-31-4 (**KPV**)

PubChem CID: 71300430 (**GHK-Cu**), 9941957 (**BPC-157**), 16131447 (**TB-500**), 123846 (**KPV**)

2. Chemical Properties

GHK-Cu (Copper Peptide)

Amino Acid Sequence: Gly-His-Lys(Cu²⁺)

Molecular Formula: C₁₄H₂₂CuN₆O₄

Theoretical Molecular Weight: 401.9 Da

BPC-157

Amino Acid Sequence: Val-Pro-Pro-Asp-Pro-Arg-Pro-Arg-Pro-Ile-Pro-Gly-Pro-Asp-Ser

Molecular Formula: C₆₂H₉₈N₁₆O₂₂

Theoretical Molecular Weight: 1419.5 Da

TB-500 (Thymosin Beta-4)

Amino Acid Sequence:

Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser

Molecular Formula: C₂₁₂H₃₅₀N₅₆O₇₈S₁

Theoretical Molecular Weight: 4963.4 Da

KPV

Amino Acid Sequence: Lys-Pro-Val

Molecular Formula: C₁₆H₃₀N₄O₄



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Theoretical Molecular Weight: 342.4 Da

Form: Lyophilised powder

Appearance: Solid, Blue

3. Target Specifications

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

Target Identity (MS): Expected MW 401.9 Da, 1419.5 Da, 4963.4 Da & 342.4 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.