



# 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:** SS-31 (Elamipretide)

**Synonyms:** Bendavia, MTP-131, D-Arg-Dmt-Lys-Phe-NH<sub>2</sub>

**CAS Number:** 736992-21-5

**PubChem CID:** 11764719

### 2. Chemical Properties

**Amino Acid Sequence:** D-Arg-Dmt-Lys-Phe-NH<sub>2</sub> (where Dmt = 2,6-dimethyltyrosine)

**Molecular Formula:** C<sub>32</sub>H<sub>49</sub>N<sub>9</sub>O<sub>5</sub>

**Theoretical Molecular Weight:** 639.80 Da

**Form:** Lyophilised powder

**Appearance:** Solid, White

### 3. Target Specifications

**Target Purity (HPLC):** >= 98.0%

**Target Identity (MS):** Expected MW 639.80 Da (± standard analytical tolerance)

**Expected Peptide Content:** >= 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.