



# 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:** Semax

**Synonyms:** ACTH (4-7) Pro-Gly-Pro, MEHFPGP, Heptapeptide Semax

**CAS Number:** 80714-61-0

**PubChem CID:** 9811102

### 2. Chemical Properties

**Amino Acid Sequence:** Met-Glu-His-Phe-Pro-Gly-Pro

**Molecular Formula:** C<sub>37</sub>H<sub>51</sub>N<sub>9</sub>O<sub>10</sub>S

**Theoretical Molecular Weight:** 813.92 Da

**Form:** Lyophilised powder

**Appearance:** Solid, White

### 3. Target Specifications

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

**Target Identity (MS):** Expected MW 813.92 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.