# Certificate of Analysis

## α-Melanocyte-Stimulating Hormone (MSH), amide

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|---|---|
| **Cat. No.:** | HY-P0252 |
| **CAS No.:** | 581-05-5 |
| **Batch No.:** | 26743 |
| **Chemical Name:** | Valinamide, acetyl-L-seryl-L-tyrosyl-L-seryl-L-methionyl-L-glutamyl-L-histidyl-L-phenylalanyl-L-arginyl-L-tryptophylglycyl-L-lysyl-L-prolyl-, L- |

### PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|---|---|
| **Molecular Formula:** | $C_{77}H_{109}N_{21}O_{19}S$ | | |
| **Molecular Weight:** | 1664.88 | | |
| **Storage:** | Powder | -80°C | 2 years |
| | | -20°C | 1 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |

**Chemical Structure:**

### ANALYTICAL DATA

| | |
|---|---|
| **Appearance:** | White to off-white (Solid) |
| **LCMS:** | Consistent with structure |
| **Purity (LCMS):** | 98.02% |
| **Conclusion:** | The product has been tested and complies with the given specifications. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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