

**[Nle<sup>4</sup>, D-Phe<sup>7</sup>]-α-Melanocyte Stimulating Hormone (MSH), amide****Cat. No.:** RP10658-1**Size:** 1 mg**Alias:** αMSH; a-MSH; aMSH; alpha-MSH; alphaMSH;α-Melanocyte Stimulating Hormone; αMelanocyte Stimulating Hormone; a-Melanocyte Stimulating Hormone; aMelanocyte Stimulating Hormone; alpha-Melanocyte Stimulating Hormone; alphaMelanocyte Stimulating Hormone; NDP-MSH[Nle<sup>4</sup>, D-Phe<sup>7</sup>]-α-MSH, amide**Description:**

[Nle<sup>4</sup>, DPhe<sup>7</sup>]-alpha-MSH (NDP-MSH), a highly potent analogue of alpha-melanocyte-stimulating hormone (alpha-MSH), possesses nanomolar efficacies at all the melanocortin receptor subtypes except the MC2R. Evaluation of the melanocortin 'message' sequence of [Nle<sup>4</sup>, DPhe<sup>7</sup>]-alpha-MSH was performed on the human melanocortin receptor subtypes designated hMC1, hMC3R, hMC4R, and hMC5R.

**Cas No:** 75921-69-6**N-Terminal:** Ac**C-Terminal:** NH<sub>2</sub>**Sequence (one-letter code):**Ac-SYSNleEHfRWGKPV-NH<sub>2</sub>**Sequence (three-letter code):**Ac-{SER}{TYR}{SER}{NLE}{GLU}{HIS}{d-PHE}{ARG}{TRP}{GLY}{LYS}{PRO}{VAL}-NH<sub>2</sub>**Formula:** C<sub>78</sub>H<sub>111</sub>N<sub>21</sub>O<sub>19</sub>**Molecular Weight:** 1,647**Purity:** > 95%**Storage:**

Store at -20°C. Keep tightly closed. Store in a cool dry place.

**Note:** [Nle<sup>4</sup>,DPhe<sup>7</sup>] alpha-MSH is a hormone that stimulates melanogenesis and facilitates learning and memory.[Nle<sup>4</sup>,DPhe<sup>7</sup>] alpha-MSH can affect inflammatory and immune responses and peripheral nerve regeneration.

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