

**γ-1-Melanocyte Stimulating Hormone (MSH), amide****Cat. No.:** RP10650**Size:** 1 mg**Alias:** γ-1-MSH, amide;γ1-MSH; g-1-MSH; g1-MSH; gamma-1-MSH; gamma1-MSHγ-1-Melanocyte Stimulating Hormone; γ1-Melanocyte Stimulating Hormone; g-1-Melanocyte Stimulating Hormone; g1-Melanocyte Stimulating Hormone; gamma-1-Melanocyte Stimulating Hormone; gamma1-Melanocyte Stimulating Hormone**Description:**

Gamma-MSH (Melanocyte Stimulating Hormone), a putative hormone in the N-terminal region of the ACTH/beta-endorphin (beta-EP) precursor protein, was studied by RIA with an antiserum against gamma 3-MSH in ACTH-producing mouse pituitary tumor cells, AtT-20/D16v. Gamma-MSH peptides have low intrinsic melanotropic activity in mammalian melanoma cells; the specific pigmentary responses appear to be affected by the structure of the C-terminal portion.

**C-Terminal:** NH<sub>2</sub>**Sequence (one-letter code):**YVMGHFRWDRF-NH<sub>2</sub>**Sequence (three-letter code):**{TYR}{VAL}{MET}{GLY}{HIS}{PHE}{ARG}{TRP}{ASP}{ARG}{PHE}-NH<sub>2</sub>**Formula:** C<sub>72</sub>H<sub>97</sub>N<sub>21</sub>O<sub>14</sub>S<sub>1</sub>**Molecular Weight:** 1,512.9**Purity:** > 95%**Storage:**

Store the peptide at -20°C. Keep container tightly closed.

**Note:** Gamma-1-MSH is derived from ACTH 1-13. Gamma-1-MSH is a hormone that stimulates melanogenesis and facilitates learning and memory. Gamma-1-MSH can affect inflammatory and immune responses and peripheral nerve regeneration.

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