

Rev01  
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**DATASHEET**

# $\alpha$ -Melanocyte-Stimulating Hormone (MSH), amide

Cat. No.: RP10644CN

## Overview

<b>Synonyms</b>	$\alpha$ -MSH, amidemelanotropin $\alpha$ -Melanocyte Stimulating Hormone; $\alpha$ Melanocyte Stimulating Hormone; a-Melanocyte Stimulating Hormone; aMelanocyte Stimulating Hormone; alpha-Melanocyte Stimulating Hormone; alphaMelanocyte Stimulating Hormone
<b>Description</b>	Alpha-MSH (alpha melanocyte-stimulating hormone) is an ancient tridecapeptide with potent inhibitory activity in all major forms of inflammation. ACTH has structural similarities to alpha-MSH. ACTH and alpha-MSH can induce grooming, stretching, yawning, penile erection responses in male rats, site of action in the brain and role of melanocortin receptors.
<b>Cas No</b>	581-05-5
<b>Sequence</b>	Ac-{SER}{TYR}{SER}{MET}{GLU}{HIS}{PHE}{ARG}{TRP}{GLY}{LYS}{PRO}{VAL}-NH <sub>2</sub>
<b>Sequence Shortening</b>	Ac-SYSMEHFRWGKPV-NH <sub>2</sub>
<b>Molecular Formula</b>	C <sub>77</sub> H <sub>109</sub> N <sub>21</sub> O <sub>19</sub> S <sub>1</sub>
<b>C Terminal</b>	NH <sub>2</sub>
<b>N Terminal</b>	Ac
<b>Molecular Weight</b>	1664.9

## Properties

<b>Purity</b>	> 95%
<b>Form</b>	Lyophilized
<b>Storage</b>	Store the peptide at -20°C. Keep container tightly closed.
<b>Note</b>	Alpha-MSH is derived from ACTH 1-13. Alpha-MSH is a hormone that stimulates melanogenesis and facilitates learning and memory. Alpha-MSH can affect inflammatory and immune responses and peripheral nerve regeneration.