Rev01
Update: Dec,28,2022

DATASHEET

[Nle^4, D-Phe^7]-α-Melanocyte Stimulating Hormone (MSH), amide

Cat. No.: RP10658CN

Overview

Synonyms	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[Nle4, D-Phe7]-α-MSH, amide
Description	[Nle4, DPhe7]-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 [Nle4, DPhe7]-alpha-MSH was performed on the human melanocortin receptor subtypes designated hMC1, hMC3R, hMC4R, and hMC5R.
Cas No	75921-69-6
Sequence	Ac-{SER}{TYR}{SER}{NLE}{GLU}{HIS}{d-PHE}{ARG}{TRP}{GLY}{LYS}{PRO}{VAL}-NH_2
Sequence Shortening	Ac-SYSNleEHfRWGKPV-NH_2
Molecular Formula	$C_{78}H_{111}N_{21}O_{19}$
C Terminal	NH_2
N Terminal	Ac
Molecular Weight	1647.0

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.
Note	[Nle4,DPhe7] alpha-MSH is a hormone that stimulates melanogenesis and facilitates learning and memory. [Nle4,DPhe7] alpha-MSH can affect inflammatory and immune responses and peripheral nerve regeneration.

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