
[Nle4, D-Phe7] alpha-MSH Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350443

Unit: 5 mg

Description:

[Nle4, D-Phe7] alpha-MSH Peptide (melanotan I) is a synthetic analog of the naturally occurring melanocortin peptide hormone alpha-melanocyte stimulating hormone (alpha-MSH) that is an agonist for melanocortin receptors (MC1R, MC3-5R). Alpha-MSH and analogs cause melanin production in skin cells, thereby reduce UV damage by sun exposure.

Format: Each vial contains 5 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Pro-opiomelanocortin, POMC, melanotan I; MT-I; NDP-alpha-MSH; [Nle4, D-Phe7] alpha-MSH Peptide; melanotan-1; Afamelanotide

Accession No.: 75921-69-6

MW: 1646.9 g/mol

Sequence: Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH₂ or Ac-SYS-Nle-EHfRWGKPV-NH₂

Composition: C₇₈H₁₁₁N₂₁O₁₉

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.