
Product Data Sheet

Product Name: MT II
Cat. No.: GP21279
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Melanotan-II; MT-II; Melanotan.		
Solubility	It is recommended to reconstitute the lyophilized Melanotan-II in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein (1mg/ml) was lyophilized with no additives.		

Introduction

Melanotan and Melanotan-II are both analogs of the peptide hormone alpha melanocyte stimulating hormone (α-MSH) that tend to induce skin tanning. Unlike Melanotan, Melanotan-II has the additional effect of increasing libido. Melanotan II has aphrodisiac properties.

Stability

Lyophilized Melanotan-II although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution MT-II should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

The molecular formula of Melanotan-II is C₅₀H₆₉N₁₅O₉. It has the amino acid sequence of Ac-Nle-cyclo [Asp-His-D-Phe-Arg-Trp-Lys]-NH₂ and a molecular weight of 1024.2 Dalton. The CAS Number is 121062-08-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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