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Certificate of Analysis and Data Sheet

Melanotan-II

Catalog No.
228-11136

Synonyms

Melanotan-II, MT-II, Melanotan.

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.

Description:

The molecular formula is $C_{50}H_{69}N_{15}O_9$. 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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The protein (1 mg/ml) was lyophilized with no additives.

Solubility

It is recommended to reconstitute the lyophilized Melanotan-II in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

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.

Purity

Greater than 99.0% as determined by (a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**