

## MT II

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**Description:**The molecular formula is C<sub>50</sub>H<sub>69</sub>N<sub>15</sub>O<sub>9</sub>. It has the amino acid sequence of Ac-Nle-cyclo [Asp-His-D-Phe-Arg-Trp-Lys]-NH<sub>2</sub> and a molecular weight of 1024.2 Dalton. The CAS Number is 121062-08-6.

Catalog #:HOPS-296

For research use only.

**Synonyms:**Melanotan-II, MT-II, Melanotan.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:**Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Formulation:**

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

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized Melanotan-II in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Introduction:**

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

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