

## 32-2054: MT II Protein

**Alternative Name :** Melanotan-II,MT-II,Melanotan.

### Description

The molecular formula of Melanotan-II 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. 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.

### Product Info

**Amount :** 100 mg  
**Purification :** Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
**Content :** The protein (1 mg/ml) was lyophilized with no additives.  
**Storage condition :** 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.

### Application Note

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