

## Melanotan-II

<b>Catalog No.</b>	CRM126A	<b>Quantity:</b>	20 mg
	CRM126B		100 mg
	CRM126C		500 mg

**Alternate Names:** Melanotan-II, MT-II, Melanotan.

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

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]-NH<sub>2</sub> and a molecular weight of 1024.2 Dalton. The CAS Number is 121062-08-6.

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

**Molecular Weight:** 1024.2 Daltons

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

**Purity:** Greater than 99.0% as determined by RP-HPLC and SDS-PAGE analyses.

**Molecular Formula:**  $C_{50}H_{69}N_{15}O_9$

**Amino Acid Sequence:** It has the amino acid sequence of Ac-Nle-cyclo [Asp-His-D-Phe-Arg-Trp-Lys]-NH<sub>2</sub>

**Reconstitution:** It is recommended to reconstitute the lyophilized Melanotan-II in sterile distilled water at not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

**Storage & Stability:** Lyophilized Melanotan-II although stable at room temperature for 3 weeks, should be stored desiccated at -20 to -80°C. Upon reconstitution MT-II may be stored at 2-4°C up to 1 week but for future, store below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Avoid repeated freeze-thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**