

# MT II Recombinant Protein



RPPB1345

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## Product Information    Protein Information

### Product SKU:

RPPB1345

### Protein 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.

### Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Synonyms:

Melanotan-II, MT-II, Melanotan.

### Formulation:

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

### Purity:

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

### Solubility:

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.

### 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.