



# Matrix BioLabs

Peptides

# Melanotan II (MT-2) 10mg

## Overview

Melanotan II (MT-2) is a synthetic analog of the naturally occurring  $\alpha$ -melanocyte-stimulating hormone ( $\alpha$ -MSH). It is primarily researched for its ability to stimulate melanogenesis (melanin production), resulting in skin darkening. It is also studied for its effects on appetite suppression, libido enhancement, and potential neuroprotective properties.

## Benefits

Key benefits include rapid tanning with minimal UV exposure, reduced risk of sunburn, significant appetite suppression leading to potential weight loss, increased libido and sexual arousal, and improved mood in some research subjects. It is popular in research for aesthetic tanning, fat loss support, and sexual wellness.

## Dosage

Loading phase of 250–500 mcg per day until desired tan is achieved, followed by a maintenance dose of 250 mcg 1–2 times per week. Doses are administered via subcutaneous injection.

## Reconstitution

Add 3ml of BAC water. This yields approximately 3.33 mg/ml concentration.

- 250 mcg dose = 7.5 units on a U-100 insulin syringe
  - 500 mcg dose = 15 units on a U-100 insulin syringe
- Store the reconstituted solution in the refrigerator and follow standard stability guidelines.