



UNDERSTANDING YOUR TREATMENT



Melanotan II

A synthetic melanocortin peptide studied for its effects on skin pigmentation and sexual function.

- i** Melanotan II (MT-II) is a synthetic cyclic heptapeptide analog of α -MSH that non-selectively activates melanocortin receptors MC1R through MC5R. Originally developed at University of Arizona for photoprotective tanning, it produces skin darkening (MC1R), sexual arousal (MC4R), appetite suppression (

HOW IT WORKS

1**Compound Class**

Synthetic Melanocortin Receptor Agonist

2**Origin**

Developed at the University of Arizona as an analog of alpha-MSH

3**Administration**

Subcutaneous injection, as directed by your provider

Talk to your prescriber about whether Melanotan II may be right for you

This compound is available by prescription only



WHAT RESEARCHERS HAVE FOUND

Melanogenesis and Photoprotection Studies

Early clinical trials at the University of Arizona demonstrated that Melanotan II induced significant skin darkening in fair-skinned subjects without UV exposure. Research suggested the resulting eumelanin increase may provide photoprotective benefits.

Journal of the American Academy of Dermatology, 1999

Sexual Function Research

Clinical studies demonstrated MT-II's erectogenic effects in men with erectile dysfunction, with results leading to the development of PT-141 (bremelanotide). PT-141 received FDA approval in 2019 for hypoactive sexual desire disorder in premenopausal women.

The Journal of Urology / FDA Approval Records, 2000

QUESTIONS TO ASK YOUR PROVIDER

- ? What evidence level supports Melanotan II for this patient's indication?
- ? What monitoring protocol should I establish?
- ? Are there contraindications or interactions to screen for?
- ? What is the recommended duration and cycling protocol?
- ? What is the current regulatory status?

IMPORTANT SAFETY INFO

- Nausea is the most commonly reported side effect, particularly during initial doses
- Facial flushing and fatigue may occur due to melanocortin receptor activation
- Existing moles and nevi should be monitored — report any changes to your provider
- Not appropriate for individuals with a history of melanoma or atypical mole syndrome
- Tell your provider about all medications, especially blood pressure or sexual health therapies

Have Questions?

Eternal Beauty Medical Aesthetics

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<https://www.eternalbeautytexarkana.com>

This is a compounded preparation and is NOT an FDA-approved product. It is prepared by a licensed pharmacy based on a prescription from your healthcare provider. The safety and efficacy of this compounded preparation have not been established by the FDA.