



99% Purity Melanotan 1 MT-1 For Skin Tanning

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-Melanotan 1
- Minimum Order Quantity: 5 box
- Price: US\$ 55-62/box
- Packaging Details: 10mg/vial, 10vials/box
- Delivery Time: 3-5 work days after your payment
- Payment Terms: Western Union, T/T, etc.
- Supply Ability: 3000kg/Month



Product Specification

- Name: Melanotan-1
- Molecular Weight: 1646.35
- CAS No.: 75921-69-6
- Molecular Formula: C78H111N21O19
- Appearance: White Lyophilized Powder
- Purity: >99%
- Store: Cool Dry Place
- Shelf Life: 2 Years
- Alias: Melanotan - 1 , Melanotan I , Afamelanotide , Melanotan , Melanotropin

Product Description

Factory Supply 99% Purity Melanotan-1 (MT-1) for Skin Tanning



Basic Information Form of Melanotan-1

Name	Melanotan-1
CAS NO.	75921-69-6
Molecular Formula	C ₇₈ H ₁₁₁ N ₂₁ O ₁₉
Molecular Weight	1646.85
Purity	99%
Appearance	White Lyophilized Powder
Specification	10mg/vial, 10vials/box
Store	Cool Dry Place
Alias	Melanotan - 1 , Melanotan I , Afamelanotide , Melanotan , Melanotropin

What Is Melanotan-1?

Melanotan I, also known as afamelanotide, is a synthetic melanocyte stimulating hormone (a-MSH) which induces skin pigmentation through melanogenesis, melanin production. Melanin prevents cellular damage in the skin by absorbing, reflecting and refracting light. Melanotan I reduces sun damage to UV exposed skin transforming cells to produce dark protective melanin.

Usage

Melanotan I is used to prevent phototoxicity in people with a condition called erythropoietic protoporphyria, which is a deficiency of the enzyme ferrochelatase. People with this disorder experience when their skin is exposed to sunlight and some artificial lighting. Due to abnormally low levels of this enzyme, excessive amounts of protoporphyrin accumulate in the bone marrow, blood plasma, and red blood cells.

Melanotan I is used for enhanced skin tanning for certain light related skin indications, a prophylactic treatment for a series of light affected skin disorders and a potential skin cancer preventative agent.

Mechanism of Action

Melanotan I, when injected, works by replicating alpha-melanocyte-stimulating hormone in your body. The alpha-melanocyte-stimulating hormone binds to melanocortin receptors and induces the production of the pigment melanin in skin cells. Therefore, the more melanin your skin cells produce, the darker your skin will appear.

Research shows that Melanotan I exists longer in the body than Melanotan II before being broken down by enzymes. Melanotan II connects with a wider range of receptors than Melanotan I and has a shorter life in your body.

Product Image of Melanotan-1



Melanotan-1 Research

Melanotan-1 Research and Blood Pressure

Research in hypertensive (high blood pressure) mice has revealed that melanotan 1 can protect against high blood pressure without affecting animals that have normal blood pressure. This is important because current blood pressure medications can cause hypotension, which can lead to loss of consciousness, stroke, heart attack, and more. This side effect of blood pressure medications is more common in the elderly, thanks in part to their labile physiology. The ability to regulate high blood pressure without causing significant lows makes melanotan 1 the perfect candidate for exploring further peptide development.

Cognitive Decline, Alzheimer's Disease, and Melanotan 1

Research in transgenic mice indicates that melanotan 1 may protect the brain against the kind of damage that leads to cognitive decline and Alzheimer's disease. The study, which used a mouse model of moderate Alzheimer's disease (AD), indicated that melanotan 1, even in minuscule doses, reduces the level of amyloid beta plaques in the brain, protects neurons from death, and improves clinical measures of cognitive function as well as laboratory measures of synaptic transmission. In the same study, blocking the effects of melanotan 1 at the MC4 receptor prevented all of the peptide's favorable effects.

The benefit of melanotan 1 action at the MC4 receptor has been explored in other studies as well. Research, also in mice, shows that MC4 receptor stimulation can boost neurogenesis and lead to cognitive recovery in AD. It is one of the few studies to show improvement in the condition rather than simply slowing decline. Once daily administration of MT-1 reduces levels of all AD-related biomarkers, indicating that the peptide actually works through multiple pathophysiological pathways.

The MC4 receptor is the only melanocortin receptor known to be expressed on astrocytes, the cells that protect neurons and provide them with nutrition. Research in rats indicates that melanotan 1 improves astrocyte functioning by increasing levels of brain-derived neurotrophic factor (BDNF). BDNF is critical to protecting synapse stability and neurogenesis in general.

Package and Shipping of Melanotan-1

Package: 10mg/vial, 10vials/box

Shipping: With 3-5 days after your payment



Q1: Do you Accept Sample Order?

A: Yes. The smallest order we accept is one box.

Q2: Do you accept VISA business credit card?

A: Yes. VISA business credit card is in our payment.

Q3: Is there any discount?

A: Yes, if you want to purchase larger quantity, we can offer a better price for you.

Q4: How long does it take to me if I order?

A: About 3-5 days upon receipt of payment.

Q5: What kind of transportation do you have?

A: We have many ways of transportations, eg: Air, Sea, Special Lines, TNT, FEDEX, EMS, ect.



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