



Thymosin Alpha Nasal Spray 20mg/15ml

About

Thymosin Alpha-1 (Tα1) is a thymus-derived peptide studied for its ability to support immune function, regulate inflammation, and promote overall resilience during stress or illness.

*These products are for research use only and are not intended for human consumption, medical use, therapeutic use, or diagnostic purposes. They are not to be used in foods, drugs, cosmetics, dietary supplements, or any products intended for humans or animals. Peptides are not sterile, have not been tested for safety or efficacy in humans, and must not be injected, ingested, inhaled, applied to the skin, or administered in any form. No product sold is intended to treat, cure, mitigate, or prevent any disease.

What's Included

- One spray bottle
- Concentration: 20mg/15ml
- Bottle duration varies based on use

Clinical Research Potential Benefits:

- May help boost immune system function
- May enhance response to infections
- May support healthy aging and longevity
- May aid wound healing and recovery
- May help reduce inflammation
- May support liver and cardiovascular health

Clinical Research Suggested Use:

- 125mcg per spray
- 2-3 sprays each nostril
- 5x day per week, 2 consecutive off
- Duration: 1-2 months
- Maintenance: after the initial month: 1-3x per week for additional month

Nasal Spray Guidelines

Before Use:

- For first-time use: Prime the spray by pressing the pump 2 to 3 times until it fully activates
- Gently blow your nose to clear the nasal passages
- Shake the bottle lightly
- Insert the nozzle toward the back of the nostril while keeping your head upright
- Press the pump to administer the recommended number of sprays

After Use:

- Try to avoid blowing your nose right away
- Wipe the spray tip with a clean tissue
- Replace the cap securely
- Store in the refrigerator

Thymosin Alpha Nasal Spray 20mg|15ml Mechanism of Action

- **T-Cell Activation:**
 - Tα1 stimulates the production and function of T-cells, which are central to the adaptive immune response. It enhances the maturation of T-cells in the thymus and activates them to target and eliminate pathogens more effectively.
- **Cytokine and Interferon Production:**
 - Thymosin Alpha-1 promotes the production of interferons (such as IFN-α) and cytokines, which are proteins that regulate the immune response. These molecules help coordinate immune cell activity, enhancing the body's defense against viruses and bacteria.
- **Regulation of Inflammatory Response:**
 - Tα1 helps balance the immune system's inflammatory response by reducing the levels of pro-inflammatory cytokines. This action is beneficial for managing chronic inflammation, preventing tissue damage, and supporting immune resilience in conditions like autoimmune diseases and arthritis.
- **Immune Cell Differentiation:**
 - Tα1 influences the differentiation and activation of antigen-presenting cells (APCs), such as macrophages and dendritic cells. These cells help detect foreign invaders and stimulate a stronger immune response.
- **Enhanced Phagocytosis:**
 - The peptide also enhances the ability of macrophages and other immune cells to phagocytose (engulf and digest) pathogens, improving overall immune efficiency.
- **Liver Regeneration and Detoxification:**
 - Tα1 has regenerative effects on the liver, where it supports the production of key proteins involved in detoxification and tissue repair. It plays a role in maintaining liver health by promoting hepatic cell regeneration and reducing inflammation in the liver.
- **Cardioprotective Effects:**
 - Thymosin Alpha-1 helps regulate the immune response to heart tissue injury, particularly after cardiovascular events such as heart attacks, by modulating the inflammatory processes that can lead to scar tissue formation and cardiac dysfunction.