Creative Enzymes®

Oligopeptide-1

Cat. No. CECP-023

Lot. No. (See product label)

Introduction

Description	Oligopeptide-1 is a type of matrikine signaling peptide that acts primarily within the dermis of the skin. It is derived from specific amino acid sequences found in extracellular matrix (ECM) proteins, which can be released by proteases at wound sites. These released molecules are capable of activating and modulating the skin repair processes. The main functions of oligopeptide-1 include: 1. Promoting Extracellular Matrix Synthesis: Oligopeptide-1 effectively promotes the synthesis of collagen and elastin, essential components for maintaining skin structure and elasticity. Additionally, it contributes to the synthesis of structural glycoproteins such as laminin and fibronectin. 2. Anti-inflammatory Effects: Oligopeptide-1 can reduce the secretion of interleukin-6 (IL-6) induced by TNF-alpha, thereby alleviating the negative impact of inflammation on the skin. This helps in promoting wound healing and tissue regeneration. 3. Enhancing the Dermis: Oligopeptide-1 helps strengthen the dermis, making the skin thicker and firmer. This aids in reducing wrinkles and other signs of aging, resulting in a more youthful appearance. 4. Enhancing UV Protection: Application of oligopeptide-1 also enhances the skin's resistance to UV radiation, helping to protect against photoaging damage.
Applications	It can be used in anti-wrinkle and anti-aging products, skin care products, and restorative products.

Product Information

Appearance	White or off-white powder
Form	Powder
CAS No.	72957-37-0
Purity	98%
pH Stability	6.0-8.0

Usage and Packaging

Package	1 kg per bag

Storage and Shipping Information

Storage	Keep sealed, shaded and cool.