Creative Enzymes®

Palmitoyl Tetrapeptide-7

Cat. No. CECP-011

Lot. No. (See product label)

Introduction

Description

Palmitoyl Tetrapeptide-7 is a partial fragment that mimics the immunoglobulin IgG and comes with multiple benefits. It acts on keratinocytes and fibroblasts in the skin through signal stimulation, regulating inflammatory responses, particularly by inhibiting the excessive release of interleukin-6 from white blood cells, thereby alleviating inappropriate inflammatory reactions and glycation damage. This action helps maintain the balance of skin cytokines, thus protecting the skin from environmental damage. Moreover, Palmitoyl Tetrapeptide-7, modified with a palmitoyl group, exhibits enhanced stability and transdermal absorption rates. This implies its ability to penetrate the skin more effectively and fulfill its function. Furthermore, Palmitoyl Tetrapeptide-7 can be combined with other peptides, resulting in synergistic effects, further enhancing its efficacy. This makes it a common ingredient in skincare products, widely used for reducing wrinkles and firming the skin, among other benefits.

Applications

Palmitoyl tetrapeptide-7 inhibits IL-6 release similarly to dehydroepiandrosterone (DHEA) and more effectively than DHEA. It has been shown that the higher the dose of palmitoyl tetrapeptide-7, the greater the reduction of interleukin-6, up to 40%. Treatment of UV-induced cells with palmitoyl tetrapeptide-7 resulted in an 86% reduction in interleukins. Used in skin repair, anti-inflammatory, soothing and anti-wrinkle products.

Product Information

Appearance	Clarified clear liquid
Form	Liquid
CAS No.	221227-05-0
pH Stability	3.0-5.0

Usage and Packaging

Package	1kg/bottle

Storage and Shipping Information

Storage	Keep sealed, shaded and cool.