Creative Enzymes®

Nonpeptide-1

Cat. No. CECP-032

Lot. No. (See product label)

Introduction

Description	Exposure to sunlight and aging can cause the skin to develop brown spots, often due to overactive melanocytes that secrete excessive melanin. The melanocyte-stimulating hormone, alpha-MSH (α-MSH), has a physiological effect that induces skin pigmentation. When α-MSH binds to its specific receptor MC1-R on melanocytes, it activates tyrosinase, thereby initiating the melanin synthesis pathway. Nonapeptide-1 is a bio-structural mimic of α-MSH and has a high affinity for the specific receptor MC1-R. It competitively inhibits the binding of α-MSH to MC1-R, preventing the activation of tyrosinase and ultimately reducing excessive melanin production. This helps restore the skin to its normal color.
Applications	Nonapeptide-1 can be used in products designed to brighten the skin, balance skin tone, and in treatments for photoaging and age spots.

Product Information

Appearance	Clarified clear liquid
Form	Liquid
CAS No.	158563-45-2
pH Stability	5.0-7.0

Usage and Packaging

Package	1kg/bottle

Storage and Shipping Information

Storage	Keep sealed, shaded and cool.