

Nonpeptide-1

Cat. No. CECF-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.