

# Palmitoyl Pentapeptide-4 (Matrixyl)

**Category: Cosmetic**

---

## Description

Matrixyl (Palmitoyl Pentapeptide-4) is a lipopeptide that stimulates collagen and hyaluronic acid synthesis in the skin, signaling aging skin to repair itself and increase extracellular matrix production.

## Protocol & Dosage

Recommended dosage: 3-8% in topical formulations

Biological half-life: N/A (topical)

Administration: Subcutaneous injection (typical)

## Key Benefits & Mechanisms

- ✓ Collagen stimulation
- ✓ Reduced wrinkle depth
- ✓ Improved skin firmness
- ✓ Hyaluronic acid production
- ✓ Skin repair signaling

## Side Effects & Safety Profile

- ✓ Minimal
- ✓ Possible mild irritation
- ✓ Very safe topically

## Important Disclaimer

This document is provided for educational and research purposes only. Peptides discussed herein are not approved for clinical use without physician oversight.

Never attempt self-administration without professional medical supervision. Black market peptides can be contaminated, mislabeled, or dangerous.