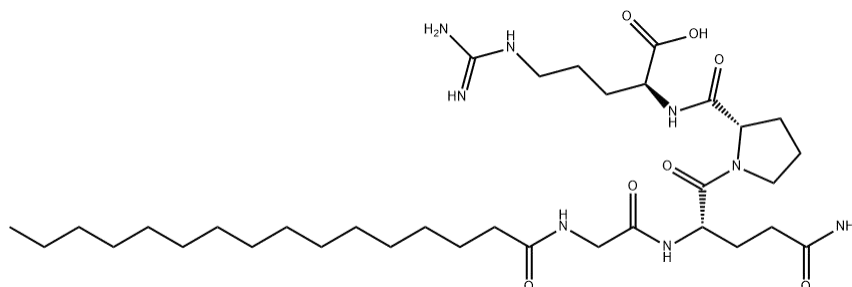


Technical Data Sheet

Product Name: Palmitoyl Tetrapeptide-7 (95% Powder)

INCI Name: Palmitoyl Tetrapeptide-7

Structure:



Product Properties:

Molecular Formula: C₃₄H₆₂N₈O₇

Molecular Weight : 694.91

CAS Number : 221227-05-0

EINECS : /

Specification:

Items	Specifications
Appearance	White or Off-white powder
Identity	Monoisotopic Mass:694.9±1.0
Peptide Purity (By HPLC)	≥ 95.0% by area integration
Water Content	≤ 5.0%
HACContent (By HPLC)	≤ 15.0%

Palmitoyl Tetrapeptide-7 is a synthetic peptide active ingredient specifically designed for skincare formulations, offering excellent anti-aging and skin repair benefits. It mimics the body's natural signaling peptide mechanisms to help improve skin firmness, reduce fine lines, and enhance skin barrier recovery.

Function:

- ❖ **Repair:** Helps stimulate collagen production, enhances skin elasticity, and improves skin laxity;
- ❖ **Soothing:** Reduces skin inflammation, alleviates sensitivity and redness, and enhances skin comfort;
- ❖ **Anti-wrinkle:** Effectively diminishes dynamic and static wrinkles, smoothens skin texture, and promotes a youthful appearance.

Application:

- ❖ **Facial Care:** Suitable for serums, creams, eye creams, and other anti-aging skincare products, recommended dosage 0.5%-2%;
- ❖ **Body Care:** Can be used in body lotions and neck care products to enhance skin firmness and smoothness;
- ❖ **Makeup Integration:** May be incorporated into primers and foundations to provide both makeup longevity and skincare benefits.

Recommended use level: 0.0002%-0.002% (Water-insoluble, lipid-soluble)

Package:

1g/bottle; Or as per customer requirements.

Storage:

Store at a temperature of 2-8°C, keep sealed and away from light.

Shelf life:

Two years.

Disclaimer:

The above information is meant to be informative and for general purpose only. MRK Trading accept no liability arising from or in connection with use or reliance of this information or anything contained in it. Please seek independent professional advice and perform laboratory test if necessary.