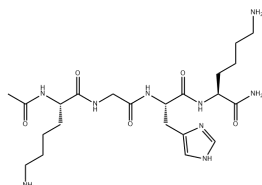


Technical Data Sheet

Product Name: Acetyl Tetrapeptide-3 (98% Powder)

INCI Name: Acetyl Tetrapeptide-3

Structure:



Product Properties:

Molecular Formula: C₂₂H₃₉N₉O₅

Molecular Weight : 509.6

CAS Number : 827306-88-7

EINECS : 1308068-626-2

Specification:

Items	Specifications
Appearance	White powder
Identification	Positive
Odor and taste	Characteristic
Mesh size/sieve analysis	Through 80 mesh
Loss on drying	≤8%
Total Heavy Metals	≤10ppm
Arsenic	≤1ppm
Lead	≤2ppm
Cadmium	≤1ppm
Hygraryrum	≤0.1ppm
Residual solvent	Meet Eur.Ph6.0<5.4>
Pesticide Residue	Meet the requirements
Total plate count	≤5000cfu/g
Total Yeast & Mold	≤100cfu/g
E.Coli	Negative
Salmonella	Negative
staphylococcus	Negative

Product Introduction:

Acetyl Tetrapeptide-3 is a synthetic oligopeptide formed by acetylating four amino acids, with high biological activity and skin permeability. By regulating hair follicle stem cell activity and collagen synthesis, it is mainly used in anti-aging skin care and hair care fields in cosmetics, serving as a core active ingredient in high-end skin and hair products.

Function:

- ❖ Hair growth promotion: Activates hair follicle stem cells, prolongs the anagen phase of hair, and improves hair loss and thinning;
- ❖ Collagen enhancement: Stimulates fibroblasts to produce type I and III collagen, improving skin elasticity and reducing wrinkles;
- ❖ Anti-inflammatory repair: Inhibits the expression of inflammatory factors, relieves scalp sensitivity and skin redness, and promotes damaged barrier repair;
- ❖ Oxidative damage protection: Neutralizes free radicals, reducing oxidative damage to hair follicles and skin cells from UV and environmental stress.

Application:

- ❖ Anti-hair loss products: Added to hair growth serums and conditioners to improve the hair follicle micro environment and promote new hair regrowth;
- ❖ Anti-aging skin care: Used in anti-wrinkle serums and creams to improve skin firmness and fade fine lines and expression lines;
- ❖ Scalp care products: Added to scalp massage oils and anti-hair loss shampoos to regulate scalp sebum secretion and relieve itching and sensitivity;
- ❖ High-end repair products: Used as a core ingredient in freeze-dried powders and ampoules to provide intensive repair and anti-aging effects.

Recommended use level: 0.001%-0.005% (Water-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.