

Product

Acetyl Tetrapeptide-3

Test	Specification
Appearance	white powder
Identity by HPLC	the retention is same with the reference substance
Identity by MS	509.31±1
Solubility	soluble in water
Peptide purity (by HPLC)	> 98.0 % by area integration
Water content (Karl Fischer)	< 8.0 %
Amino acid composition	± 10 % of theoretical

Characteristics

Acetyl tetrapeptide-3 is a 4 amino acids biomimetic peptide derived from a signal peptide which stimulate tissue remodeling by inducing collagen III, collagen IV and laminin synthesis. This peptide has a direct effect on hair follicle. The remodeling signal will increase the size of hair follicle for better hair anchoring and vitality.

Cosmetic benefits

- Acetyl tetrapeptide-3 stimulates dermal papilla extracellular matrix proteins thus having a direct effect on hair follicle size and better anchoring.
- Acetyl tetrapeptide-3 provides a repairing effect at the dermal-epidermal junction level, improving hair anchoring.
- Acetyl tetrapeptide-3 stimulates hair growth with higher activity than the reference hair growth products, minoxidil.

Use level: 0.05 - 0.2% (water soluble)