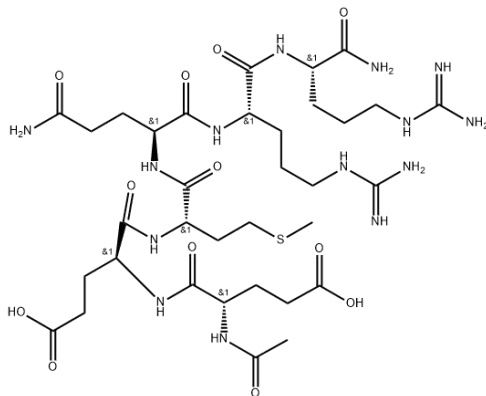


Technical Data Sheet

Product Name: Acetyl Hexapeptide-8 (98% Powder)

INCI Name: Acetyl Hexapeptide-8

Structure:



Product Properties:

Molecular Formula: C₃₄H₆₀N₁₄O₁₂S

Molecular Weight : 889

CAS Number : 616204-22-9

EINECS : 1592732-453-0

Specification:

Items	Specifications
Appearance	White powder
Identity by ESI-MS	Theoretical MW: 889.01
Water (K.F.)	≤7.0%
Purity (HPLC)	≥98.0%
Acetic acid content	≤15.0%

Acetyl Hexapeptide-8 is a highly effective anti-aging peptide widely used in cosmetic formulations. It is a synthetic peptide composed of six amino acids that works by inhibiting muscle contractions, reducing the appearance of wrinkles and fine lines. This ingredient is known for its ability to provide a smoothing effect on the skin, making it an ideal choice for anti-aging products. It is safe for topical use and suitable for various skin types, offering a non-invasive solution to promote a more youthful complexion.

Function:

- ❖ Acetyl Hexapeptide-8 is one of the earliest and most widely used cosmetic peptides. Its application marks the transition of anti-aging ingredients from traditional active substances to bioactive substances;
- ❖ The structure of Acetyl Hexapeptide-8 is similar to the N-terminal of SNAP-25, which competes for binding sites with SNARE. It inhibits the release of acetylcholine and catecholamines, effectively smoothing out fine lines. Compared to botulinum toxin, Acetyl Hexapeptide-8 is safer, more cost-effective, and has no side effects. It does not cause facial stiffness and serves as a gentle and safe alternative to botulinum toxin. Additionally, it effectively prevents skin wrinkles caused by continuous facial movements, especially in the forehead and eye areas where wrinkles are formed due to muscle contractions.

Application:

- ❖ Acetyl Hexapeptide-8 can be incorporated in cosmetic formulations such as emulsions, gels, sera, etc. where removal of the deep lines or wrinkles in the forehead or around the eyes area is desired;
- ❖ Reduces the depth of wrinkles on the face caused by the contraction of muscles of facial expression, especially in the forehead and around the eyes;
- ❖ A safer, cheaper, and milder alternative to Botulinum Toxin, topically targeting the same wrinkle formation mechanism in a very different way.

Recommended use level: 0.005%-1.0% (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:

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