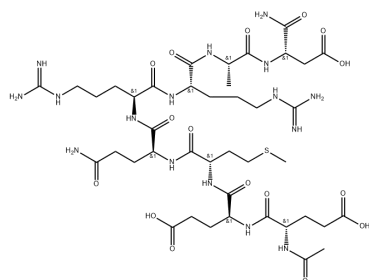


Technical Data Sheet

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

INCI Name: Acetyl Octapeptide-3

Structure:



Product Properties:

Molecular Formula: C₄₁H₇₀N₁₆O₁₆S

Molecular Weight : 1075.17

CAS Number : 868844-74-0

EINECS : /

Specification:

Items	Specifications
Appearance	White to off-white powder
Odor	Slightly characteristic odor
Molecular Ion Mass	1075.17 ± 1
Purity (HPLC)	≥98.0%
Acetate Content (HPLC)	≤8%
Water Content (K.F.)	≤8%
Bacteria	≤100 CFU/g
Moulds/Yeasts	≤100 CFU/g

Acetyl Octapeptide-3 (98% Powder) is a highly effective bioactive peptide, also known as Acetyl Octapeptide-3, which reduces excessive facial muscle contractions by inhibiting neurotransmitter release, thereby smoothing dynamic expression lines; it is widely regarded as a mild alternative to botulinum toxin.

Function:

- ❖ **Muscle Contraction Inhibition:** Blocks the release of acetylcholine at nerve endings to reduce excessive facial muscle contraction signals, thereby minimizing the formation of expression lines;
- ❖ **Dynamic Wrinkle Reduction:** Targets expression lines such as glabellar lines, crow 's feet, and forehead lines, significantly reducing wrinkle depth and length with continued use;
- ❖ **Mild Anti-Wrinkle Effect:** Mimics the mechanism of botulinum toxin without invasiveness, delivering long-term anti-wrinkle benefits while maintaining natural facial expressions.

Application:

- ❖ **Anti-Aging Serums and Emulsions:** Serves as a core anti-wrinkle ingredient suitable for incorporation into high-end anti-aging serums, lotions, and creams;
- ❖ **Eye Care Products:** Designed for use in eye creams and eye masks to provide targeted care for crow's feet and fine lines around the eyes;
- ❖ **Masks and Ampoules:** Used in high-concentration repair masks and ampoule serums for intensive anti-wrinkle treatment.

Recommended use level: 0.01% - 8.0% (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:

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.