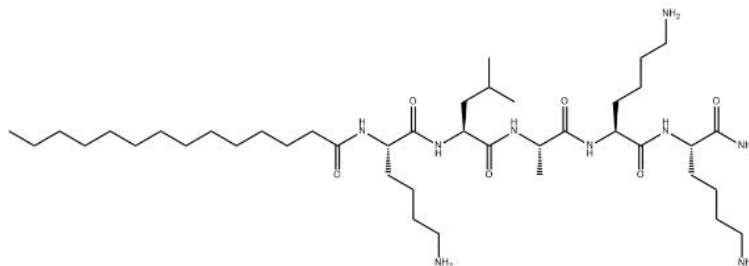


Technical Data Sheet

Product Name: Myristoyl Pentapeptide-17 (98% Powder)

INCI Name: Myristoyl Pentapeptide-17

Structure:



Product Properties:

Molecular Formula: C₄₁H₈₁N₉O₆

Molecular Weight : 796.14

CAS Number : 959610-30-1

EINECS : 200-001-8

Specification:

Items	Specifications
Appearance	White powder
Solubility	Soluble in water
Purity (HPLC)	NLT98.0%
Single largest impurity	NMT 1.0%
Water	NMT 5.0%
Bacterial endotoxins	Less than 5IU/mg
Methanol	NMT 3000ppm
Acetonitrile	NMT 410 ppm
Triethylamine	NMT 320 ppm
N,N-dimethylformamide	NMT 880 ppm
Mass spectrum	796.14±1.0

Product Introduction:

Myristoyl Pentapeptide-17 is an effective pentapeptide that promotes eyelash growth. Also known as eyelash peptide, it has significant effects in activating keratin genes and enhancing the absorption of nutrients by hair follicles. It is widely used in cosmetics.

Function:

- ❖ **Promoting Growth:** It activates keratin genes and stimulates keratin synthesis in hair follicles, thereby promoting the growth, thickening, and elongation of eyelashes and eyebrows;
- ❖ **Enhancing Absorption:** It enhances the absorption of nutrients by hair follicles, making eyelashes and eyebrows healthier and denser;
- ❖ **Moisturizing and Hair Care:** It has moisturizing and hair care properties, strengthening hair follicles and preventing breakage.

Application:

- ❖ **Eyelash Products:** It is widely used in mascara and eyelash care lotions to help users lengthen and thicken eyelashes and enhance eye expression;
- ❖ **Eyebrow Products:** It can be used in eyebrow care products to promote eyebrow growth and density, improving sparse eyebrows;
- ❖ **Hair Care Products:** It is added to some shampoos and conditioners to enhance the health and strength of hair.

Recommended use level: 0.005%-0.05% (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.