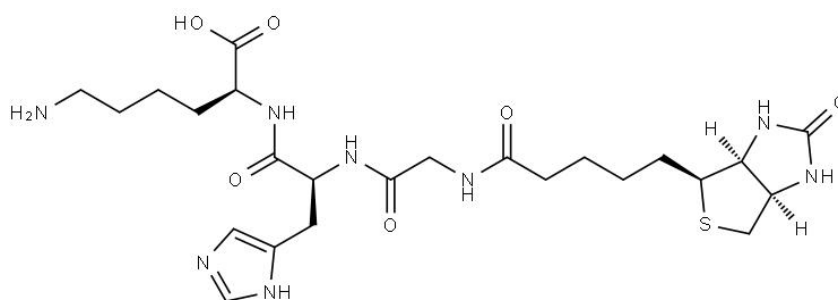


Technical Data Sheet

Product Name: Biotinoyl Tripeptide (95% Powder)

INCI Name: Biotinoyl Tripeptide-1

Structure:



Product Properties:

Molecular Formula: C₂₄H₃₈N₈O₆S
Molecular Weight : 566.68
CAS Number : 299157-54-3
EINECS : /

Specification:

Items	Specifications
Appearance	White to off white powder
MS	566.67 ± 1
Water Content (Karl Fischer)	≤8.0%
Acetic Acid (By HPLC)	≤15.0%
Peptide Purity (By HPLC)	≥95.0%

Product Introduction:

Biotinoyl Tripeptide is a tri peptide that combines biotin (vitamin H) with the signaling peptide GHK. It stimulates the synthesis of collagen and laminin, enhancing the anchorage of hair follicles and preventing hair loss.

Function:

- ❖ Promotes Hair Growth: Extends the anagen phase of the hair growth cycle, increasing hair follicle activity and promoting hair growth;
- ❖ Enhances Follicle Anchorage: Stimulates the synthesis of collagen IV and laminin 5, strengthening the attachment of hair follicles in the dermis and preventing hair loss;
- ❖ Improves Scalp Health: Promotes scalp blood circulation, providing adequate nutrition to hair follicles while reducing inflammation and creating a healthy scalp environment;
- ❖ Antioxidant and Repair: Contains antioxidants that protect hair follicles from oxidative damage, promote cell proliferation and differentiation, and aid in skin and follicle repair.

Application:

- ❖ Hair Growth Products: Used in hair growth serums, shampoos, conditioners, and other products to promote hair growth and reduce hair loss;
- ❖ Eyelash and Eyebrow Care: Used in mascara, eyelash care liquids, eyebrow care products, and others to lengthen and thicken eyelashes and eyebrows;
- ❖ Scalp Care Products: Used in scalp serums, scalp sprays, and other products to improve scalp health and promote hair growth.

Recommended use level: 0.01%-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 accepts 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 tests if necessary.