



Biotinoyl tripeptide-1

INCI name:	Biotinoyl tripeptide-1
Peptide Sequence:	Biotin-Gly-His-Lys-OH
Molecular Formula:	$C_{24}H_{38}N_8O_6S$
Molecular weight:	566.67
Cas No.	299157-54-3
Application:	Cosmetics – hair care / eyelash / scalp treatment / tonics
Packaging:	bottle
Filling quantity:	0,1 g / bottle 1 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
Storage and Shelf life:	2 - 8 °C, dark and clean shelf life 24 months



Product Spezifikation

Biotinoyl tripeptide-1

Manufacturing date: 10.05.2017

Expiry date: 09.05.2019

Test	Specification	Batch No. 20170510
Appearance	white powder	conforms
Identity	566.67 ± 1	566.3
Solubility	soluble in water or 1 % acetic acid	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	99.40 %
Water content (Karl Fischer)	≤ 8.0 %	6.80 %
Acetate content	≤ 15.0 %	7.82 %

Characteristics

- Stimulates Ki-67 protein expression, indicating enhanced cell proliferation
- Promotes the expression of numerous genes involved in tissue repair
- Stimulates laminin 5 and collagen V synthesis, provides a protecting and repairing effect on the structure components of the hair follicle, slowing down the aging process
- Helps hair anchoring and stimulates hair growth

Use level: 0.005 %, maximum dose: 0.025 %

Cosmetic benefits

Fights follicle aging and protects against hair loss.