

TECHNICAL DATA SHEETS

PROFESSIONAL MANUFACTURER FOR PEPTIDE

Acetyl tetrapeptide-3

CAT# MCP1011

Product information

Product Name: Acetyl tetrapeptide-3

Synonyms: Ac-KGHK, Acetyl tetrapeptide-3; Kollaren 6; Uxi hair growth peptide; Capixyl,

Sequence: Ac-Lys-Gly-His-Lys-NH₂ (KGHK)

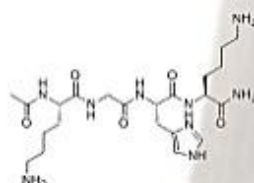
CAS#: 827306-88-7

Chemical Formula: C₂₂H₃₉N₉O₅

Exact Mass: 509.31

Molecular Weight: 509.61

Structure:



Specifications: >98.0%

Appearance: White powder

Quality files: Coa, Tds, Sds and etc.

Package: 1g/5g/10g/100g in PP bottle

Descriptions

Acetyl Tetrapeptide-3 is an innovative biomimetic peptide combined with a red clover extract. It targets the main causes of hair loss, providing fuller and thicker hair.

Mechanism

Acetyl tetrapeptide-3, SPARC proteolytic fragment KGHK peptide, a Cu²⁺-binding sequence, stimulate the formation of endothelial cell networks in a luteal cell culture system (P<0.05) and increased progesterone production (P<0.05). Treatment with the proteolytic fragment of SPARC (KGHK) promoted the formation of luteal endothelial cell networks and surprisingly it also increased progesterone production. The peptide has a direct effect on hair follicle. The remodeling signal will increase the size of hair follicle

for better hair anchoring and vitality.



Functions & Applications

Acetyl tetrapeptide-3 stimulates type III and type VII collagen and laminins, which maintains the ECM to support hair growth. In other words, it turns the follicles into better anchors by strengthening the protein-based matrix that surrounds them. Acetyl Tetrapeptide-3 targets the main causes of hair loss, providing fuller and thicker.

Technical Data

INCI Name : Acetyl tetrapeptide-3

Sequence: Ac-Lys-Gly-His-Lys-NH₂ (KGHK)

Reference: Capixyl

Solubility: Water soluble, may be formulated in DMSO

Shelf Life: 24 Months

Concentration Dosage

0.05%-0.2% (500PPM-2000PPM)

Or according to own brand's formula ratio

Recipe reminder

Water-soluble, pH 5-7, the final stage of the formula <45 °C low temperature addition; good compatibility; stable without discoloration.

Storage

Keep in dark and cool dry place at 5~8°C or -20 °C for long term.

