

Cosmetics Peptide Raw Materials





18 years of history, focus on good raw materials!



2004

- > Established Peptide Division
- > Peptide synthesis services



2006

- > Peptide library synthesis services
- > Peptide pool service



2014

- > Cosmetic peptide synthesis services
- > cGMP peptide services
- > Provide peptides for over 10,000 scientists worldwide



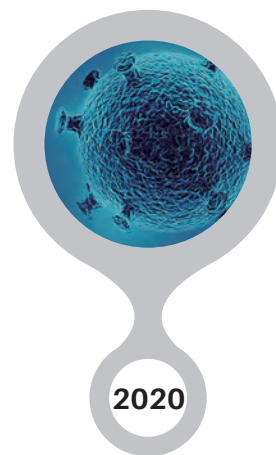
MAKE RESEARCH EASY



- > Rapid peptide services
- > Industry-leading delivery as fast as 3 days
- > ISO 9001:2015 certified



- > Neoantigen peptide service
- > Developed the world's largest peptide synthesis workstation
- > Monthly throughput up to 18,000 peptides
- > Joined Peptide Society of China Biochemical Pharmaceutical Industry Association



- > Peptide services for COVID-19
- > Cosmetic peptide formulation R&D service



Cosmetic Peptides

Bioactive peptide, as an efficacious peptide molecule, has the characteristics of small molecular weight, easy absorption, clear efficacy, enhancing skin permeability, good stability and strong solubility, etc. It is gradually applied in cosmetics, playing the role of stimulating skin cell repair and regeneration, promoting hair follicle differentiation, etc., and it has made remarkable breakthroughs. The bioactive peptide that plays an effective role in cosmetics is called cosmetic peptide.

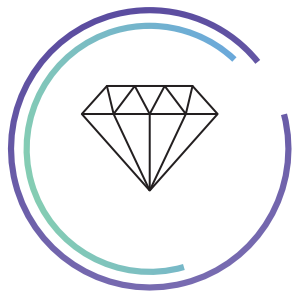
Note:

- 1) Please contact us for discussion if large scale production is required for commercialization purpose.
- 2) These products should not be used directly for injection, application oral or clinical usage.
- 3) The content of the marketing material is not deemed to permit, recommend or induce persons to perform any patented invention without obtaining a patent.
- 4) No warranty or guarantee is given as to the suitability of the products for the applications disclosed as methods, conditions and equipment for commercial use vary in processing these materials.

Strengths of GenScript Cosmetic Peptide



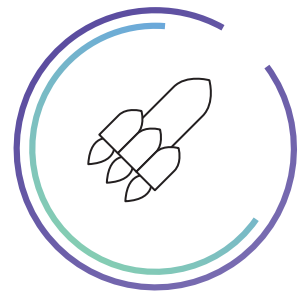
Skilled Technical Support
Team of PhD Experts
18 Years Experience in Peptide Synthesis



Strict Quality Control
Batch-to-Batch Stability






Customizable Services to Meet Different Needs



High Throughput Production
Cost Effective and Fast Delivery

Service Types of GenScript Cosmetic Peptide

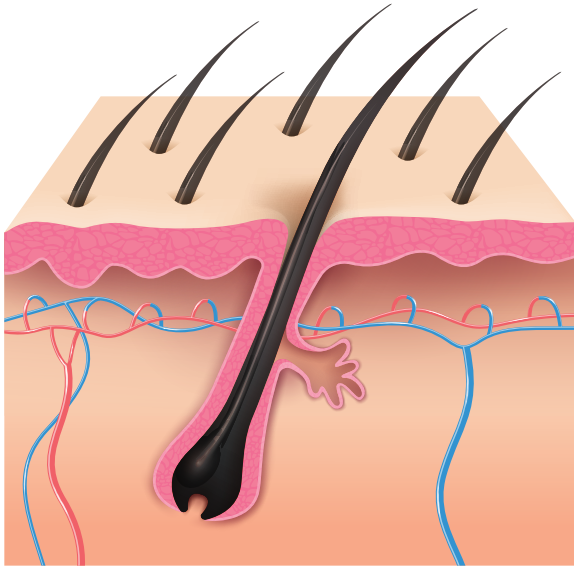
GenScript provides Cosmetic peptide powder and formulation R&D service, especially for insoluble cosmetic peptides, with unique solubility system.

	Delivery form	Purity	Documentation	Specification	QC testing	
 Synthesis of raw material	Lyophilized powder	≥98%*	MS&HPLC TDS MSDS COA	mg-kg	Net peptide content — Moisture content — Microbial content testing — Acetate content testing — Heavy metal content testing	
 Formula R&D	Peptide solution	~		~		

*For some difficult cosmetic peptides, GenScript delivers a guaranteed purity of ≥ 95%;
**QC testing services are also available on a customized basis upon request.

ANTIAGING

INCI Name	CAS	Efficacy
Tripeptide-10 Citrulline	960531-53-7	Mimic decorin and increase skin firmness and flexibility
Palmitoyl Tripeptide-5	623172-56-5	Imitate the human body's own mechanism to produce collagen via TGF- β and promote the synthesis of collagen and elastin in the dermis
Acetyl Tetrapeptide-11	928006-88-6	Stimulate synthesis of syndecan-1 which can improve adhesion of epidermal
Trifluoroacetyl Tripeptide-2	64577-63-5	Reduce the synthesis of Progerin and inhibit the enzymatic activity of the elastase and the cutaneous MMP-1
Tripeptide-2	---	Reduce the synthesis of Progerin and inhibit the enzymatic activity of the elastase and the cutaneous MMP-1
Hexapeptide-3	---	Stimulate extracellular matrix protein synthesis and demonstrates a significant plumping, hydrating, and smoothing effect on the lips
Palmitoyl Tripeptide-38	1447824-23-8	Stimulate the synthesis of collagen I, III, IV, fibronectin, hyaluronic acid and laminin
Tetrapeptide-1	---	Stimulate the synthesis of elastin and collagen
Acetyl Tetrapeptide-9	928006-50-2	Stimulate the synthesis of lumican and collagen
Myristoyl Hexapeptide-4	959610-44-7	Stimulate matrix protein production
Palmitoyl Dipeptide-5 Diaminohydroxybutyrate	794590-34-4	Stimulate laminin V, collagens IV, VII and XVII and integrin β 4
Palmitoyl Dipeptide-5 Diamino butyroyl Hydroxythreonine	883558-32-5	Stimulate laminin V, collagens IV, VII and XVII and integrin β 4
Hexapeptide-11	100684-36-4	Inhibit oxidative damage in fibroblasts and promote the up-regulation of antioxidant genes in cells
Hexapeptide-10	146439-94-3	Promote the synthesis of laminin V and α 6-integrin, promote cell binding
Tetrapeptide-4	---	Increase the collagen production of the skin and the fiber production in the extracellular matrix
Acetyl SH-Pentapeptide-1	97530-32-0	Improve collagen protein and elastic protein synthesis
SH-Pentapeptide-1	---	Improve collagen protein and elastic protein synthesis
Dipeptide-6	18684-24-7	Stimulate fibroblast cell growth and improve hyaluronic acid synthesis
Oligopeptide-3	---	Promote the proliferation and differentiation of epidermal cells, and increase the synthesis of hyaluronic acid and elastin
Oligopeptide-6	---	Stimulate extracellular matrix protein synthesis in vitro
Tripeptide-3	---	Increase ATP levels and improve epidermal differentiation



HAIR GROWTH & BLACK HAIR

INCI Name	CAS	Efficacy
Acetyl Tetrapeptide-3	827306-88-7	Repair hair follicle cells and stimulate natural growth of eyebrows and hair
Tetrapeptide-3	827.-97-8	Repair hair follicle cells and stimulate natural growth of eyebrows and hair
Myristoyl Pentapeptide-17	959610-30-1	Activate the expression of the keratin gene, promote the density and growth of eyelash and hair in hairy nipples
Biotinoyl Tripeptide-1	299157-54-3	Increase the synthesis of extracellular matrix such as collagen IV and laminin 5, and activate tissue
Copper Tripeptide-1	130120-57-9	Improve hair growth and stimulate the synthesis of collagen I, III, fibronectin, elastin, laminin
Tripeptide-1	49557-75-7	Improve hair growth and stimulate the synthesis of collagen I, III, fibronectin, elastin, laminin
Copper Tripeptide-34	---	Increase proliferation of dermal papilla cells and reduce apoptosis in DPCs
Myristoyl Tetrapeptide-12	959610-24-3	Activate Smad2, induce Smas3 to bind to DNA, and promote hair growth
Myristoyl Hexapeptide-16	---	Activate keratin gene, and promote hair growth
Oligopeptide-74	---	Promote hair growth by activating WNT signal
Oligopeptide-41	---	Block the DHT expression induced by the DKK1 expression and stimulate the proliferation of hair cells and their migration
Octapeptide-2	---	Activate the stem cells of hair follicle and increase cell growth and migration
Acetyl Octapeptide-2	---	Activate the stem cells of hair follicle and increase cell growth and migration
Palmitoyl Tetrapeptide-20	---	Stimulate melanogenesis and reduces oxidative stress in hair bulb
Palmitoyl Tripeptide-40	---	Induce cAMP production and stimulate melanogenesis



BREAST ENHANCEMENT

INCI Name	CAS	Efficacy
Acetyl Hexapeptide-38	1400634-44-7	Stimulate PGC-1 α expression and enhance adipogenesis rate



ANTI-WRINKLE

INCI Name	CAS	Efficacy
Acetyl Tripeptide-30 Citrulline	---	Inhibit the activity of human matrix metalloproteinases and promote the synthesis of collagen and elastin
Acetyl Hexapeptide-8	616204-22-9	Compete with SNAP-25 and disturb the production of SNARE complex
Acetyl Tetrapeptide-2	757942-88-4	Stimulate the skin immune defenses
Palmitoyl Tetrapeptide-7	221227-05-0	Promote collagen production and suppress the production of excess interleukins
Palmitoyl Pentapeptide-4	214047-00-4	Stimulate the production of collagen I, III, and IV
Myristoyl Pentapeptide-4	---	Stimulate the production of collagen I, III, and IV
Hexapeptide-9	1228371-11-6	Enhance epidermal regeneration, protein synthesis and boost dermal-epidermal junction key proteins
Acetyl Decapeptide-3	935288-50-9	Stimulate the synthesis of collagen and elastin
Tripeptide-29	2239-67-0	Stimulate the synthesis of collagen
Goralatide	127103-11-1	Prevent skin aging and promote skin regeneration
Palmitoyl Hexapeptide-12	171263-26-6	Promote the collagen, elastin and hyaluronic acid on proliferation
Hexapeptide-12	124861-55-8	Promote the collagen, elastin and hyaluronic acid on proliferation
Oligopeptide-20	---	Increase the proliferation rhythm of keratinocyte and fibroblasts and the cells adhesion ability
Palmitoyl Tripeptide-1	147732-56-7	Promote the synthesis of extracellular matrix such as collagen and glycosaminoglycans
Acetyl Tripeptide-1	---	Promotes the synthesis of extracellular matrix such as collagen and glycosaminoglycans
Pentapeptide-18	64963-01-5	Inhibit neurotransmitter release at the pre-synaptic level
Pentapeptide-3	135679-88-8	Reduce the contraction of facial muscles and increase the arrangement of collagen and elastin
Acetyl Octapeptide-3	868844-74-0	Compete with SNAP-25 and disturb the production of SNARE complex
Oligopeptide-24	---	Exhibit up-regulation of cell growth and migration, cell survival, extracellular matrix expression
Acetyl Decapeptide-3	935288-50-9	Stimulate the synthesis of collagen and elastin
Decapeptide-4	---	Stimulate the increase of collagen, elastic fiber and hyaluronic acid, improve the water content
ARGININE/LYSINE POLYPEPTIDE	---	Inhibit acetylcholine receptors



SKIN REPAIR

INCI Name	CAS	Efficacy
Dipeptide-8	---	Promote human fibroblast proliferation and increase the synthesis of hyaluronic acid
Palmitoyl Hexapeptide-14	891498-01-4	Activate multiple rebuilding pathways including: collagen biosynthesis, fibroblast proliferation and inhibition of destructive matrix metalloproteinases.
Carnosine	305-84-0	Remove free radicals, anti-oxidation, anti-glycation
Acetyl Carnosine	56353-15-2	Remove free radicals, anti-oxidation, anti-glycation
Acetyl Tetrapeptide-22	---	Stimulate the production of HSP70 and improve the skin resistance to stress
Acetyl Hexapeptide-37	1447824-16-9	Enhance aquaporin 3 expression and maintain skin barrier integrity
Tetrapeptide-26	---	Preserve skin from UV damage during the day and boost the expression of clock genes
Palmitoyl Dipeptide-7	911813-90-6	Stimulate the synthesis of collagen, hyaluronic acid and glycosaminoglycans
Acetyl Heptapeptide-4	---	Boost the skin's own defense system by promoting microbiota balance, diversity and an increase in beneficial bacteria
Palmitoyl Tetrapeptide-10	887140-79-6	Preserve skin transparency by inducing the chaperone protein α -crystallin
Dipeptide-15	556-50-3	Reduce pores and improve skin conditions by increasing water content
POLY(TRIPEPTIDE-6)	---	Activate the cell biological clock and enhance the mitochondria to generate energy
Decarboxy Carnosine HCl	57022-38-5	Remove free radicals, anti-oxidation, anti-glycation



WHITENING

INCI Name	CAS	Efficacy
Glutathione	70-18-8	Remove free radicals in human cells and affect the activity of tyrosinase in skin cells
Oxidized Glutathione	27025-41-8	Remove free radicals in human cells and affect the activity of tyrosinase in skin cells
Nonapeptide-1	158563-45-2	Prevent melanin synthesis by preventing activation of the tyrosinase
Oligopeptide-68	1206525-47-4	Act on MITF to inhibit melanin production
Tetrapeptide-30	---	Reductive tyrosine and inhibit melanocyte activation
Hexapeptide-2	87616-84-0	Prevent melanin synthesis by preventing activation of the tyrosinase



ANTI INFLAMMATION & ANTI ALLERGY

INCI Name	CAS	Efficacy
Acetyl Dipeptide-1 Cetyl Ester	196604-48-5	Anti-inflammatory, skin firming (stimulates collagen production)
Dipeptide-1	70904-56-2	Anti-inflammatory, antibacterial
Oligopeptide-10	466691-40-7	Act against P. acnes
Acetyl Tetrapeptide-15	928007-64-1	Reduce the skin's response to irritants and increase the skin's tolerance threshold
Acetyl Hydroxyproline	33996-33-7	Increase skin elasticity, reduce fine lines, promote ceramide synthesis and repair skin barrier
Palmitoyl Tripeptide-8	936544-53-5	Reduce the release of pro-inflammatory cytokines, prevent skin damage caused by inflammation
Acetyl Hexapeptide-49	---	Reduce inflammation and relieve itching by inhibiting inflammatory factors
Acetyl Dipeptide-3 Amino hexanoate	1176133-78-0	Form an immune barrier by stimulating the production of human- β - defensin -2 and -3
Acetyl Tetrapeptide-40	1472633-28-5	Inhibit the inflammatory effect of LL-37 through reducing the release of interleukins (IL-6 and IL-8)



REMOVE POUCHES & DARK CIRCLES

INCI Name	CAS	Efficacy
Dipeptide-2	24587-37-9	Inhibit ACE, improve lymphatic drainage and reduce the formation of eye bags and dark circles
Acetyl Tetrapeptide-5	820959-17-9	Inhibit glycation, vascular permeability and lipid accumulation



UVIORESISTANT

INCI Name	CAS	Efficacy
Acetyl Hexapeptide-1	448944-47-6	Induce skin pigmentation and offers protection against UV and photoaging
Hexapeptide-1	---	Induce skin pigmentation and offers protection against UV and photoaging
Dipeptide-4	---	Provide protection against all kinds of oxidative stress and reduce glycation damage



Cosmetic Peptide



By GenScript

Global supply, quality assurance

www.genscript.com

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