

A Global Pioneer in Peptide Innovation

From Linear to Cyclic to Dendrimer Peptides
– The Future of Peptide Science

Recommended by
World-Renowned Scientists



CONTENTS

01

About Us

- 01 Company Overview
- 02 R&D and Innovation Capabilities
- 03 Innovation Vision for Next-Generation Peptide Science
- 05 Custom Peptide R&D & Manufacturing Platform
- 07 The Pioneer in Copper Peptide Science

09

Product Portfolio

- 11 APderma® Anti-Wrinkle, Firming & ECM Support
- 16 APderma® Pore & Sebum Control
- 17 APderma® Instant Anti-Wrinkle
- 19 APderma® Sensitive Skin & Soothing
- 20 APderma® Lip Care
- 21 APderma® Brightening & Pigmentation
- 23 APderma® Eye Care
- 24 APtricho™ Hair & Scalp Care



Leading Global Innovation in Cosmetic Peptides

Active Peptide is the world's pioneer in crystalline copper peptide manufacturing. We deliver high-performance peptide ingredients and customized solutions to leading skincare brands worldwide, backed by proprietary synthesis technology, GMP manufacturing, and continuous scientific innovation.



2

R&D Centers



50+

Researchers



30+

Countries



R&D and Innovation Capabilities

Core Advantages – Why Active Peptide



Driving Peptide Innovation

Advancing next-generation solutions through continuous innovation in cyclopeptides, dendrimer peptides, and emerging actives.

50+ Molecules in Development

30+ Custom Ingredients Developed

Cyclic & Dendrimer Peptides Innovation



Industry Standard Leadership

Led the development of the official copper peptide industry standard (accredited 2025). Our quality specifications are now referenced as benchmarks for peptide purity and safety industry-wide.

2025 Accredited Industry Standard



Pioneer in Crystal GHK-Cu

World's first to achieve commercial-scale production of high-purity crystalline GHK-Cu. Proprietary crystallization technology delivers >99.9% purity with consistent batch-to-batch quality.

>99.9% Crystal GHK-Cu Purity

Officially Recommended by Dr. Loren Pickart



Scalable Manufacturing Excellence

GMP manufacturing with annual capacity exceeding 10 tons of peptide powders and over 1,000 tons of peptide solutions, ensuring consistent quality and reliable global supply.

10+ Tons of Peptide Powders per Year

1,000+ Tons of Peptide Solutions per Year

300+
Peptide Products

10+
Granted Peptide
Synthesis Patents

30+
Custom Ingredients

N+
New Ingredients

Three Innovation Pillars

One Vision for Next-Generation Peptide Science

Active Peptide translates natural inspiration and advanced structural design into three distinct peptide architectures.

Each architecture addresses specific skincare needs through a different technological approach — from plant-inspired peptides to cyclic structures to 3D dendritic platforms.

01 From Natural Inspiration to Peptide Innovation

Through enzymatic hydrolysis and targeted optimization, plant proteins are converted into functional peptides with enhanced structural stability, controlled biofunctionality, and improved formulation compatibility, while maintaining their inherent safety and sustainability.

APderma® Innovations:

- **SpilaLift SOL**

Inspired by Spilanthol, this peptide mimics the muscle-relaxing effects of botulinum toxin while remaining gentle and non-irritating. It smooths expression lines naturally.

- **StellaCyclic SOL**

Inspired by cyclopeptides found in *Stellaria yunnanensis*, this cyclic peptide brightens the complexion, protects against oxidative stress and soothes sensitive skin through multi-pathway regulation.

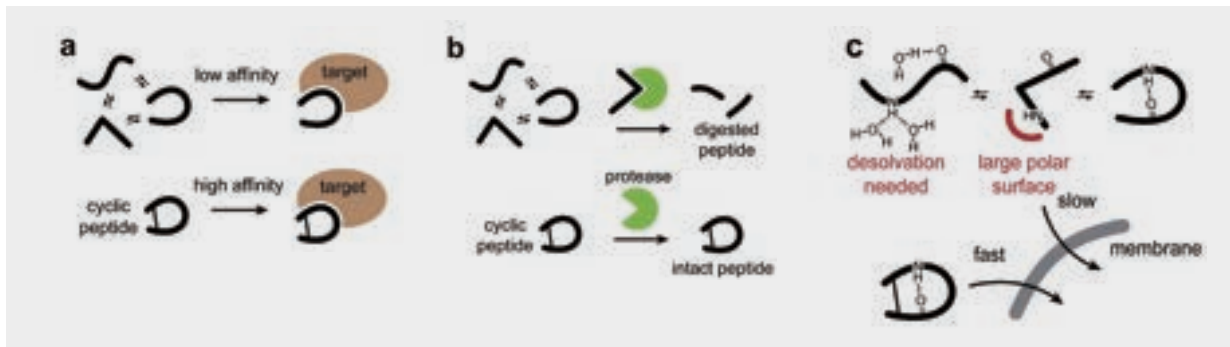


02 From Linear Peptides to Cyclic Architectures

Cyclization locks peptides into defined active conformations, improving structural stability, target affinity and resistance to enzymatic degradation.

Cyclization Addresses Key Limitations of Linear Peptides

- ◆ Enhanced Target Affinity
- ◆ Improved Enzymatic Stability
- ◆ Enhanced Membrane Permeability



APderma® Innovations:

- **StellaCyclic SOL**

Combines a plant-inspired cyclic structure with brightening, antioxidant and soothing activities.

- **CollaCyclic SOL**

Activates integrin-related signaling and supports the production of barrier proteins, ceramides, ECM components and Type IV collagen, helping strengthen the skin barrier and reduce the appearance of wrinkles.

03 From 2D Cyclic Structures to 3D Dendrimer Architectures

Dendrimer peptides use highly branched three-dimensional architectures to enhance stability, permeation and multi-target biological activity.

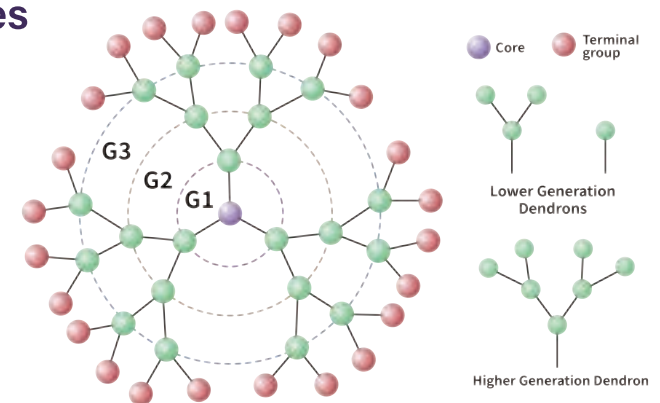
APderma® Innovations:

- **DendriRegen SOL**

Supports collagen synthesis and dermal anti-aging activity while providing soothing and antibacterial benefits.

- **DendriAgeX SOL**

Helps reduce ROS, defend against photo-induced oxidative stress and maintain skin resilience.



Custom Peptide R&D & Manufacturing Platform

Innovative Synthesis Technology. Clean Manufacturing. Complete Peptide Solutions.

Active Peptide integrates proprietary liquid-phase peptide synthesis technology with advanced GMP manufacturing capabilities to deliver high-purity peptide ingredients with exceptional quality, consistency, and scalability.

Through our continuous technological innovation, we provide a comprehensive peptide platform covering high-purity peptide powders, ready-to-use peptide solutions, and customized peptide solutions, supporting global skincare brands from formulation development to commercial production.



Proprietary Liquid-Phase Synthesis Technology

A Cleaner & More Efficient Approach to Peptide Manufacturing

Our unique liquid-phase synthesis technology enables efficient peptide production while minimizing reliance on traditional purification processes.

This approach reduces solvent usage, eliminates chromatographic purification steps, and delivers high-purity peptides with lower environmental impact.



Liquid-Phase
Synthesis



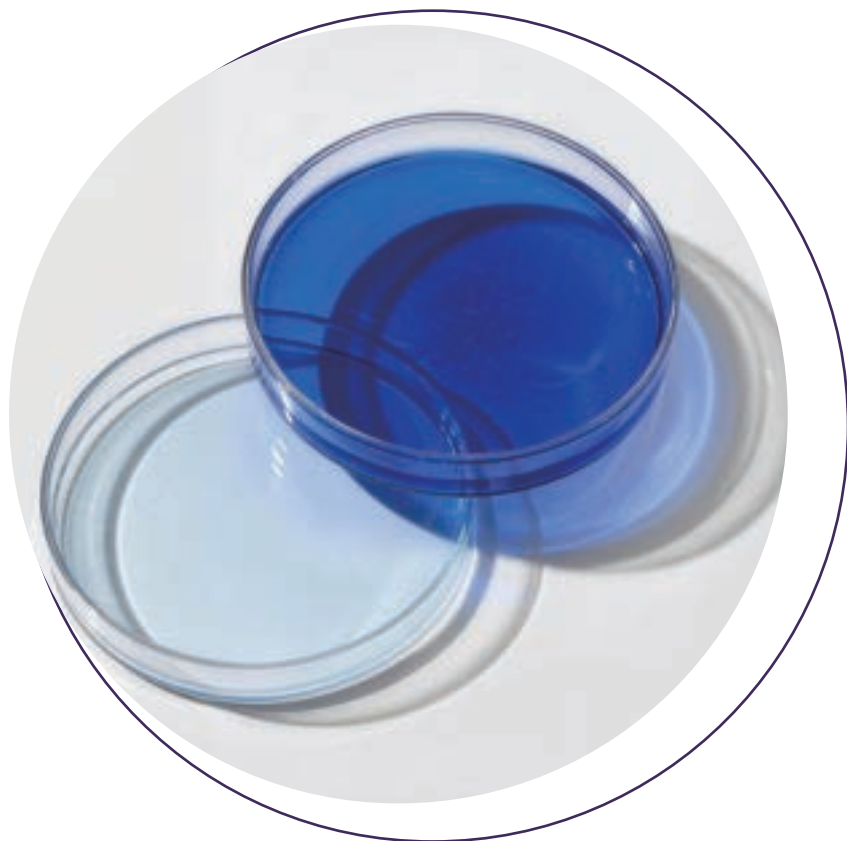
Sustainable



High Purity



Efficient
Production



Complete Peptide Product Portfolio

From Powders to Ready-to-Use Solutions.

A comprehensive peptide platform designed to meet diverse formulation and application needs.

Key Advantages

◆ High-Purity Peptide Manufacturing

Delivering excellent purity ($\geq 99.9\%$ for crystalline material) and consistent quality across batches.

◆ PFAS-Free Manufacturing Approach

Developing safer, cleaner, and more compliant peptide products aligned with evolving global regulatory trends.

◆ Optimized Production Efficiency

Balancing product quality, manufacturing sustainability, and cost competitiveness through continuous process improvement.



Ready-to-Use Peptide Solutions



High-Purity Peptide Powders

From innovative synthesis technology to scalable peptide solutions, Active Peptide empowers global skincare brands with cleaner, smarter, and more effective peptide ingredients.

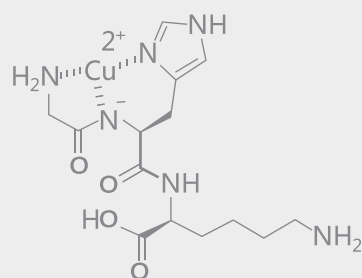
APderma® Azure GLux: Exclusively at Active Peptide

The Pioneer in Copper Peptide Science

From Scientific Discovery to Industrial Innovation

Dr. Loren Pickart discovered GHK-Cu and dedicated decades to exploring its role in skin regeneration.

Active Peptide achieved the world's first commercial-scale production of crystalline Copper Tripeptide-1, transforming breakthrough science into trusted cosmetic innovation.



Dr. Loren Pickart

Discoverer of GHK-Cu

Exclusive Manufacturing Partner since 2018



Founder of Active Peptide

The World's First Commercial Crystalline Copper Peptide Manufacturer

As a global pioneer in peptide innovation, Active Peptide successfully achieved the world's first commercial-scale production of high-purity crystalline Copper Tripeptide-1 (GHK-Cu) through its proprietary synthesis and crystallization technology.

This breakthrough established a new benchmark for copper peptide manufacturing.



Ultra-high purity crystalline
GHK-Cu



Reliable global supply
with industrial-scale production



Excellent batch-to-batch
consistency



Superior stability and
formulation compatibility



Today, Active Peptide continues to provide premium copper peptide ingredients for leading skincare brands and research institutions worldwide.

We transform Dr. Pickart's scientific discovery into trusted cosmetic innovation.

Peptide Solution Portfolio

APderma® Anti-Wrinkle, Firming & ECM Support

- Azure GLux SOL
- Col Hex-9 OIL
- Col Hex-9 SOL
- CollaCyclic SOL
- Col TriO-5 OIL
- Col TriO-5 SOL
- Col Trip-29 SOL
- DendriRegen SOL
- ⊕ ECM Duo-7 OIL
- ECM Hex-3 OIL
- ECM PenO-4 OIL
- ECM PenO-4 SOL
- ECM Tetra-1 OIL
- ECM Tetra-2 SOL
- ⊕ ECM-4 Elite SOL
- Firm Hex-11 SOL
- Firm HexO-12 OIL
- ⊕ GFactor Boost SOL
- ⊕ Col Duo-7 OIL
- GLux SOL
- GLux PalO SOL
- ⊕ Pal-150 SOL

APderma® Instant Anti-Wrinkle

- ⊕ Insta DLux SOL
- Insta Hex-8 AMP SOL
- Insta Hex-8 SOL
- InstaLux I SOL
- Insta Octa-3 SOL
- ⊕ Aqua InstaLux SOL
- OctaSmooth SOL
- SpilaLift OIL
- SpilaLift SOL

APderma® Sensitive Skin & Soothing

- Col TetO-7 OIL
- Col TetO-7 SOL
- Nuro DipO-1 OIL
- Nuro DipO-1 SOL
- NuroPep-91 SOL
- ⊕ ZenLift Max SOL

APtricho™ Hair & Scalp Care

- Grow Tetra-3 SOL
- ECM Tetra-3 SOL
- GLux BioPep-1 SOL
- Grow Azure SOL
- Hair Trixyl SOL
- ⊕ LashMax SOL
- ⊕ RootPro Max SOL

APderma® Eye Care

- EyeMax SOL
- Lux DipO-2 OIL
- Lux DipO-2 SOL
- ⊕ Eye Sculpt SOL

APderma® Pore & Sebum Control

- Pore Dip-15 OIL
- Pore Dip-15 SOL

APderma® Lip Care

- Pal Lip OIL

APderma® Brightening & Pigmentation

- DendriAgeX SOL
- Glow Nona-1 OIL
- Glow Nona-1 SOL
- ⊕ GlowMax SOL
- StellaCyclic SOL
- ⊕ ZenGlow SOL



Powders & Solutions

Complete Peptide Portfolio

Offering flexible options for R&D trials and commercial-scale production.



APderma®
for skin and facial care



APtricho™
for hair and scalp care

Developing and manufacturing innovative peptides under two application-focused product brands.

Ready-to-Use Peptide Solutions

Available Sizes: 1kg, 5kg, 10kg, 25kg



High-Purity Peptide Powders

Available Sizes: 10g, 100g, 200-500g



EU PPWR Compliant



ecovadis



APderma® Anti-Wrinkle, Firming & ECM Support

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Azure GLux GHK-Cu CN 113150066 B 	Copper Tripeptide-1	Combines anti-inflammatory, antioxidant, and collagen-supporting actions to repair sensitive skin, enhance barrier function, and improve anti-aging benefits.	Recommended Use Level: 500-2,000 ppm 	In Vivo: At 1000 ppm, delivers long-lasting (28-day) improvement of facial wrinkles and skin roughness, and enhances skin elasticity and hydration. In Vitro: Promotes cell proliferation and collagen expression, helps neutralize free radicals, and reduces inflammatory factor activity.
 Azure GLux SOL GHK-Cu CN 113150066 B 	Copper Tripeptide-1, Glycerin, Propylene glycol, Aqua (Water), Phenoxyethanol, Caprylyl Glycol	Combines anti-inflammatory, antioxidant, and collagen-supporting actions to repair sensitive skin, enhance barrier function, and improve anti-aging benefits.	Active Concentration: 20,000 ppm Recommended Use Level: 2.5-10% 	In Vivo: At 1000 ppm, delivers long-lasting (28-day) improvement of facial wrinkles and skin roughness, and enhances skin elasticity and hydration. In Vitro: Promotes cell proliferation and collagen expression, helps neutralize free radicals, and reduces inflammatory factor activity.
 Col Hex-9 Hexapeptide-9 	Hexapeptide-9	A signal peptide that promotes collagen synthesis, supports skin structure (DEJ & epidermis), and enhances fibroblast activity. Safe and stable for day and night.	Recommended Use Level: 10-100 ppm 	In Vitro: Supports the synthesis of type I, III, and XVII collagen and elastin.
 Col Hex-9 OIL Hexapeptide-9 	Hexapeptide-9, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, 1,2-Hexanediol, Aqua (Water)	A signal peptide that promotes collagen synthesis, supports skin structure (DEJ & epidermis), and enhances fibroblast activity. Safe and stable for day and night.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vitro: Supports the synthesis of type I, III, and XVII collagen and elastin.
 Col Hex-9 SOL Hexapeptide-9 	Hexapeptide-9, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	A signal peptide that promotes collagen synthesis, supports skin structure (DEJ & epidermis), and enhances fibroblast activity. Safe and stable for day and night.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vitro: Supports the synthesis of type I, III, and XVII collagen and elastin.
 CollaCyclic SOL CollaCyclic 	Cyclo Hexapeptide-133, Aqua (Water), Caprylyl Glycol	A Cyclic peptide that binds to keratinocyte integrins to regulate cell signaling. Enhances barrier proteins and lipids, strengthens skin barrier and lowers TEWL.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: At 5%, reduces skin wrinkles and TEWL, and improves of skin elasticity and hydration after 28 days of use. In Vitro: Supports type I, IV collagen, fibronectin, elastin, and hyaluronic acid synthesis to support skin integrity.

APderma® Anti-Wrinkle, Firming & ECM Support

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Col TriO-5 Palmitoyl Tripeptide-5 CN 111004306 B  	Palmitoyl Tripeptide-5	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Recommended Use Level: 10-100 ppm 	In Vivo: At 10 ppm, delivers improvement in lip peak height and lip volume, improvement in hydration, and reduction of skin wrinkles and roughness after 7 days of use. In Vitro: Inhibits elastase activity.
 Col TriO-5 OIL Palmitoyl Tripeptide-5 CN 111004306 B  	Palmitoyl Tripeptide-5, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, PEG-6 Caprylic/Capric Glycerides, Aqua (Water)	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 10 ppm, delivers improvement in lip peak height and lip volume, improvement in hydration, and reduction of skin wrinkles and roughness after 7 days of use. In Vitro: Inhibits elastase activity.
 Col TriO-5 SOL Palmitoyl Tripeptide-5 CN 111004306 B  	Palmitoyl Tripeptide-5, Butylene Glycol, Pentyleneglycol, PEG-40 Hydrogenated Castor Oil, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 10 ppm, delivers improvement in lip peak height and lip volume, improvement in hydration, and reduction of skin wrinkles and roughness after 7 days of use. In Vitro: Inhibits elastase activity.
 Col Trip-29 Collagen Amino Acids CN 114702546 B  	Tripeptide-29	Supports collagen production and enhances skin hydration for improved skin smoothness, suppleness, and overall skin appearance.	Recommended Use Level: 10-100 ppm 	In Vitro: At 5 ppm, promotes the synthesis of type I and type III collagen.
 Col Trip-29 SOL Collagen Amino Acids CN 114702546 B 	Tripeptide-29, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Supports collagen production and enhances skin hydration for improved skin smoothness, suppleness, and overall skin appearance.	Active Concentration: 5,000 ppm Recommended Use Level: 1-2% 	In Vitro: At 5 ppm, promotes the synthesis of type I and type III collagen.
 DendriRegen SOL DendriRegen CN 120248018 A 	Lysine Dendrimer Methyl Ester, Aqua (Water), Caprylyl Glycol	This sphere-peptide targets fibroblasts, stimulating the synthesis of collagen type I and elastin, enhancing the structural integrity of the dermal-epidermal junction (DEJ) for lasting firmness and support.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: At 5%, improves facial wrinkles and skin elasticity, and reduces transepidermal water loss (TEWL) after 28 days of use. In Vitro: Penetrates into the dermis, supports type I and III collagen synthesis, reduces inflammatory factor activity, and exhibits antimicrobial activity.

APderma® Anti-Wrinkle, Firming & ECM Support

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 ECM Duo-7 OIL Palmitoyl Tripeptide-1 + Palmitoyl Tetrapeptide-7	Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, PEG-6 Caprylic/Capric Glycerides, Aqua (Water)	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	Contact us for information
 ECM Hex-12 Hexapeptide-12	Hexapeptide-12	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Recommended Use Level: 10-100 ppm 	Contact us for information
 ECM Hex-3 OIL Hexapeptide-3	Hexapeptide-3, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, 1,2-Hexanediol, Aqua (Water)	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vivo: At 10 ppm, delivers improvement in lip peak height and lip volume, and reduction of skin wrinkles and roughness after 7 days of use.
 ECM PenO-4 Pal-KTTKS	Palmitoyl Pentapeptide-4	Smooths wrinkles, improves elasticity, boosts collagen & elastin; anti-aging, delays skin aging.	Recommended Use Level: 5-40 ppm 	In Vitro: Supports the synthesis of type I, III collagen and elastin.
 ECM PenO-4 OIL Pal-KTTKS	Palmitoyl Pentapeptide-4, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, PEG-6 Caprylic/Capric Glycerides, Aqua (Water)	Smooths wrinkles, improves elasticity, boosts collagen & elastin; anti-aging, delays skin aging.	Active Concentration: 200 ppm Recommended Use Level: 1-8% 	In Vitro: Supports the synthesis of type I, III collagen and elastin.
 ECM PenO-4 SOL Pal-KTTKS	Palmitoyl Pentapeptide-4, Butylene Glycol, Pentylene Glycol, PEG-40 Hydrogenated Castor Oil, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vitro: Supports the synthesis of type I, III collagen and elastin.

APderma® Anti-Wrinkle, Firming & ECM Support

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 ECM Tetra-1 OIL Tetrapeptide-1	Tetrapeptide-1, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, 1,2-Hexanediol, Aqua (Water)	Inhibits MMP-1, improves mitochondrial vitality, reduces collagen degradation, promotes collagen I & III, enhances firmness, fade wrinkles.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vitro: Supports mitochondrial function by regulating mitochondrial membrane potential and enhancing ATP production.
 ECM Tetra-2 SOL Acetyl Tetrapeptide-2	Acetyl Tetrapeptide-2, Dextran, Butylene Glycol, Aqua (Water)	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 100 ppm Recommended Use Level: 1-8% 	In Vitro: Supports type I collagen synthesis.
 ECM-4 Elite SOL Extensive Anti-Wrinkle Essential Peptide CN 112716826 B	Tripeptide-1, Palmitoyl Tetrapeptide-7, Palmitoyl Pentapeptide-4, Acetyl Hexapeptide-8, Butylene Glycol, Pentylene Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Instant and long-term anti-aging. Acetyl Hexapeptide-8 blocks nerve signals to relax dynamic lines; Palmitoyl Pentapeptide-4 boosts collagen and elastin for lasting firmness. Glutathione provides antioxidant protection for brighter skin.	Active Concentration: 2,150 ppm Recommended Use Level: 1-8% 	In Vivo: At 3%, delivers improvement of facial wrinkles, skin elasticity, and skin smoothness after 28 days of use. In Vitro: Inhibits elastase activity to help delay skin aging.
 Firm Hex-11 Hexapeptide-11	Hexapeptide-11	Promotes collagen production to improve skin elasticity, reduce the appearance of fine lines and wrinkles, and enhance skin radiance.	Recommended Use Level: 20-100 ppm 	In Vitro: At 100 ppm, promotes the synthesis of type IV collagen and laminin 5.
 Firm Hex-11 SOL Hexapeptide-11	Hexapeptide-11, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Promotes collagen production to improve skin elasticity, reduce the appearance of fine lines and wrinkles, and enhance skin radiance.	Active Concentration: 2,000 ppm Recommended Use Level: 1-5% 	In Vitro: At 100 ppm, promotes the synthesis of type IV collagen and laminin 5.
 Firm HexO-12 Palmitoyl Hexapeptide-12	Palmitoyl Hexapeptide-12	Palmitoyl Hexapeptide-12 is a lipophilic elastin peptide with enhanced skin absorption. It stimulates fibroblasts to boost collagen, elastin and hydration, firming and rejuvenating skin.	Recommended Use Level: 10-50 ppm 	In Vivo: At 4 ppm, reduces the depth and volume of major facial wrinkles, and reduces the surface area of deep wrinkles after 2 months of use. In Vitro: Inhibits elastase activity.

APderma® Anti-Wrinkle, Firming & ECM Support

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Firm HexO-12 OIL PalRevive (Alternative to leading brand)	Palmitoyl Hexapeptide-12, C12-15 Alkyl Benzoate, Tribehenin, Ceramide NS/Ceramide NG, Lactic Acid	Palmitoyl Hexapeptide-12 is a lipophilic elastin peptide with enhanced skin absorption. It stimulates fibroblasts to boost collagen, elastin and hydration, firming and rejuvenating skin.	Active Concentration: 200 ppm Recommended Use Level: 1-8% 	In Vivo: At 2%, reduces the depth and volume of major facial wrinkles, and reduces the surface area of deep wrinkles after 2 months of use. In Vitro: Inhibits elastase activity.
 GFactor Boost SOL Trismooth-TC (Alternative to leading brand)	Palmitoyl Tripeptide-5, Palmitoyl Dipeptide-5 Diaminobutyryl Hydroxythreonine, Tetradecyl Aminobutyrylvalylaminobutyric Urea Trifluoroacetate, Glycerin, Magnesium Chloride, Aqua (Water)	This peptide complex boosts collagen I/III for firmer, smoother skin and collagen IV/VII/XVI to strengthen structure, restoring youthful complexion.	Active Concentration: 2,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 2.5%, improves facial firmness and smoothness after 56 days of use.
 Col Duo-7 OIL Palmitoyl Tripeptide-5 + Palmitoyl Tetrapeptide-7	Palmitoyl Tetrapeptide-7, Palmitoyl Tripeptide-5, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, PEG-6 Caprylic/Capric Glycerides, Aqua (Water)	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 1,050 ppm Recommended Use Level: 1-8% 	Contact us for information
 GLux GHK	Tripeptide-1	Smooths wrinkles, improves elasticity, boosts collagen & elastin; promotes ECM repair and restores skin self-repair capacity around the eye area.	Recommended Use Level: 500-2,000 ppm 	In Vitro: Supports the production of type I and III collagen and elastin.
 GLux SOL GHK	Tripeptide-1, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 20,000 ppm Recommended Use Level: 2.5-10% 	In Vitro: Supports the production of type I and III collagen and elastin.
 GLux PalO Pal-GHK	Palmitoyl Tripeptide-1	Mimics natural skin signals to activate fibroblasts, boosts synthesis of collagen I/III, elastin and GAGs, strengthens dermal structure, relieves sagging and fine lines, and repairs skin barrier.	Recommended Use Level: 10-80 ppm 	In Vivo: At 10 ppm, delivers reduction of lip wrinkles and improvement of lip fullness after 7 days of use. In Vitro: Promotes type I and III collagen synthesis.

APderma® Anti-Wrinkle, Firming & ECM Support

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 GLux PalO SOL Pal-GHK	Palmitoyl Tripeptide-1, Butylene Glycol, Pentylene Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Supports collagen, elastin, extracellular matrix, firmness, and the visible reduction of fine lines and wrinkles.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 10 ppm, delivers reduction of lip wrinkles and improvement of lip fullness after 7 days of use. In Vitro: Promotes type I and III collagen synthesis.
 Pal-150 SOL PAL-150 (Alternative to leading brand)	Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7, Glycerin, Butylene Glycol, Aqua (Water), Carbomer, Polysorbate-20	Pal-150 acts as signaling messengers to reactivate endogenous skin repair, boost ECM renewal and tissue remodeling, enhancing dermal density and restoring youthful, healthy skin structure.	Active Concentration: 150 ppm Recommended Use Level: 3-8% 	In Vivo: At 3%, delivers improvement of skin elasticity and reduction of facial wrinkles after 28 days of use.

APderma® Pore & Sebum Control

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Pore Dip-15 Dipeptide-15	Dipeptide-15	Provides precise oil control and pore tightening for a more delicate makeup finish with invisible shine, clean and clear skin.	Recommended Use Level: 5-100 ppm 	In Vivo: At 10 ppm, reduces UV-induced oxidative damage in the skin after 4 days of use. In Vitro: Inhibits 5α-reductase activity.
 Pore Dip-15 OIL Dipeptide-15	Dipeptide-15, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, 1,2-Hexanediol, Aqua (Water)	Provides precise oil control and pore tightening for a more delicate makeup finish with invisible shine, clean and clear skin.	Active Concentration: 1,000 ppm Recommended Use Level: 0.5-10% 	In Vivo: At 1%, reduces UV-induced oxidative damage in the skin after 4 days of use. In Vitro: Inhibits 5α-reductase activity.
 Pore Dip-15 SOL Dipeptide-15	Dipeptide-15, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Provides precise oil control and pore tightening for a more delicate makeup finish with invisible shine, clean and clear skin.	Active Concentration: 1,000 ppm Recommended Use Level: 0.5-10% 	In Vivo: At 1%, reduces UV-induced oxidative damage in the skin after 4 days of use. In Vitro: Inhibits 5α-reductase activity.

APderma® Instant Anti-Wrinkle

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Insta DLux SOL Firmness & Elasticity Enhancing Peptide	Acetyl Hexapeptide-8, Hexapeptide-11, Glutathione, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Promotes fibroblast elastin & collagen, improves elasticity & firmness; activates cells, prevents new wrinkles.	Active Concentration: 4,000 ppm Recommended Use Level: 1-8% 	In Vitro: Supports protection against oxidative stress by reducing cellular ROS levels and scavenging free radicals.
 Insta Hex-8 Acetyl Hexapeptide-8 CN 116987148 B	Acetyl Hexapeptide-8	Presynaptic exocytosis of acetylcholine. It inhibits acetylcholine release, blocks neuromuscular signal transmission, relaxes contracted facial muscles and improves dynamic expression lines.	Recommended Use Level: 20-160 ppm 	In Vivo: At 25 ppm, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles. In Vitro: Helps reduce muscle contraction through inhibition of acetylcholine and glutamate release.
 Insta Hex-8 AMP SOL INST-500 Amplified (Alternative to leading brand) CN 116987148 B	Acetyl Hexapeptide-8, Aqua (Water), Caprylyl Glycol	Acetyl Hexapeptide-8 (Argireline) modulates SNARE complex to inhibit acetylcholine release, relax muscles and reduce expression lines. Well-tolerated and widely used in premium skincare.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vivo: At 5%, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles. In Vitro: Helps reduce muscle contraction through inhibition of acetylcholine and glutamate release.
 Insta Hex-8 SOL Acetyl Hexapeptide-8 CN 116987148 B	Acetyl Hexapeptide-8, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Presynaptic exocytosis of acetylcholine. It inhibits acetylcholine release, blocks neuromuscular signal transmission, relaxes contracted facial muscles and improves dynamic expression lines.	Active Concentration: 2,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 25 ppm, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles. In Vitro: Helps reduce muscle contraction through inhibition of acetylcholine and glutamate release.
 InstaLux I Dipeptide Diaminobutyryl Benzylamide Diacetate CN 110950926 B	Dipeptide Diaminobutyryl Benzylamide Diacetate	Provides rapid smoothing of expression lines and supports a firmer-looking complexion.	Recommended Use Level: 50-500 ppm 	In Vivo: At 100 ppm, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles. In Vitro: Helps reduce muscle contraction through inhibition of acetylcholine release.
 InstaLux I SOL Dipeptide Diaminobutyryl Benzylamide Diacetate CN 110950926 B	Dipeptide Diaminobutyryl Benzylamide Diacetate, Glycerin, Aqua (Water)	Provides rapid smoothing of expression lines and supports a firmer-looking complexion.	Active Concentration: 2,500 ppm Recommended Use Level: 1-8% 	In Vivo: At 4%, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles. In Vitro: Helps reduce muscle contraction through inhibition of acetylcholine release.

APderma® Instant Anti-Wrinkle

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Insta Octa-3 Acetyl Octapeptide-3	Acetyl Octapeptide-3	Inhibits presynaptic acetylcholine exocytosis and neuromuscular transmission, relaxes facial muscles and improves dynamic lines.	Recommended Use Level: 10-80 ppm 	In Vivo: At 100 ppm, delivers immediate (30-minute) and long-lasting (28-day) reduction of under-eye wrinkles and crow's feet. In Vitro: Helps reduce muscle contraction by inhibiting acetylcholine release.
 Insta Octa-3 SOL Acetyl Octapeptide-3	Acetyl Octapeptide-3, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Inhibits presynaptic acetylcholine exocytosis and neuromuscular transmission, relaxes facial muscles and improves dynamic lines.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 100 ppm, delivers immediate (30-minute) and long-lasting (28-day) reduction of under-eye wrinkles and crow's feet. In Vitro: Helps reduce muscle contraction by inhibiting acetylcholine release.
 Aqua InstaLux SOL Instant Anti-Wrinkle Essential	Acetyl Hexapeptide-8, β-Alanyl Hydroxypropyl diaminobutyryl Benzylamide Hexapeptide-11, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Efficiently blocks nerve-muscle signal, inhibits contraction, instantly removes dynamic lines; quickly improves water retention, repairs fine lines.	Active Concentration: 5,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 5%, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles and crow's feet.
 OctaSmooth SOL OctaSmooth-500 (Alternative to leading brand)	Acetyl Octapeptide-3, Aqua (Water), Caprylyl Glycol	Acts as a SNAP-25 analog to interfere with SNARE complex formation, reducing muscle contractions and expression wrinkles.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vivo: At 5%, delivers immediate (30-minute) and long-lasting (28-day) reduction of under-eye wrinkles and crow's feet. In Vitro: Helps reduce muscle contraction by inhibiting acetylcholine release.
 SpilaLift OIL Acmeella Oleracea Extract	Acmeella Oleracea Extract, Caprylic/Capric Triglyceride, PPG-5-Ceteth-20	Provides rapid smoothing of expression lines and supports a firmer-looking complexion.	Active Concentration: 5,000 ppm Recommended Use Level: 2-5% 	In Vivo: At 50 ppm, delivers immediate (30-minute) and long-lasting (28-day) reduction of under-eye wrinkles and crow's feet. In Vitro: Helps reduce muscle contraction by inhibiting acetylcholine release.
 SpilaLift SOL SpilaLift CN 120271659 A	Spilanthoideyl sh-Hexapeptide-46 SP Amide, Aqua (Water), Propanediol	The peptide works by competitively inhibiting the formation of the SNARE complex and suppressing the electric transmission of neuronal impulses, reducing excessive acetylcholine release.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: At 5%, delivers immediate (30-minute) and long-lasting (28-day) reduction of facial wrinkles and improvement of skin elasticity. In Vitro: Helps reduce muscle contraction by inhibiting acetylcholine release. Rapid epidermal penetration within 4 hours.

APderma® Sensitive Skin & Soothing

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Col TetO-7 Pal-GQPR CN 112830956 B  	Palmitoyl Tetrapeptide-7	Improves elasticity, smoothes & firms; reduces IL-6 (anti-inflammatory); repairs damage, stimulates collagen regeneration, fades fine lines.	Recommended Use Level: 5-40 ppm 	In Vitro: Reduces inflammatory factor levels and inhibits elastase activity.
 Col TetO-7 OIL Palmitoyl Tetrapeptide-7 CN 112830956 B  	Palmitoyl Tetrapeptide-7, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, PEG-6 Caprylic/Capric Glycerides, Aqua (Water)	Improves elasticity, smoothes & firms; reduces IL-6 (anti-inflammatory); repairs damage, stimulates collagen regeneration, fades fine lines.	Active Concentration: 200 ppm Recommended Use Level: 1-8% 	In Vitro: Reduces inflammatory factor levels and inhibits elastase activity.
 Col TetO-7 SOL Pal-GQPR CN 112830956 B 	Palmitoyl Tetrapeptide-7, Butylene Glycol, Pentylene Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Improves elasticity, smoothes & firms; reduces IL-6 (anti-inflammatory); repairs damage, stimulates collagen regeneration, fades fine lines.	Active Concentration: 500 ppm Recommended Use Level: 1-8% 	In Vitro: Reduces inflammatory factor levels and inhibits elastase activity.
 Nuro DipO-1 Acetyl Dipeptide-1 Cetyl Ester CN 117903238 A  	Acetyl Dipeptide-1 Cetyl Ester	Stimulates pro-endorphin release around nerve endings, comforts & relaxes skin; inhibits CGRP & SP, improves redness & swelling.	Recommended Use Level: 100-500 ppm 	In Vitro: Reduces inflammatory factor levels.
 Nuro DipO-1 OIL Acetyl Dipeptide-1 Cetyl Ester CN 117903238 A  	Acetyl Dipeptide-1 Cetyl Ester, Octyldodecanol, Pentylene Glycol, PEG-40 Hydrogenated Castor Oil	Helps calm visible redness and discomfort while supporting skin barrier recovery.	Active Concentration: 3,000 ppm Recommended Use Level: 3-12% 	In Vitro: Reduces inflammatory factor levels.
 Nuro DipO-1 SOL Acetyl Dipeptide-1 Cetyl Ester CN 117903238 A  	Acetyl Dipeptide-1 Cetyl Ester, Butylene Glycol, Pentylene Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Stimulates pro-endorphin release around nerve endings, comforts & relaxes skin; inhibits CGRP & SP, improves redness & swelling.	Active Concentration: 3,000 ppm Recommended Use Level: 3-12% 	In Vitro: Reduces inflammatory factor levels.

APderma® Sensitive Skin & Soothing

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 NuroPep-91 Acetyl Diptide-91 CN 117069795 B   	Acetyl Diptide-91	Provides soothing and redness-relieving effects, suitable for sensitive skin anti-wrinkle.	Recommended Use Level: 300-1,200 ppm 	In Vivo: At 1000 ppm, rapidly reduces redness within 1 hour. In Vitro: Reduces inflammatory factor levels, inhibits acetylcholine release, and exhibits antioxidant and anti-glycation activities.
 NuroPep-91 SOL Acetyl Diptide-91 CN 117069795 B   	Acetyl Diptide-91, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Provides soothing and redness-relieving effects, suitable for sensitive skin anti-wrinkle.	Active Concentration: 10,000 ppm Recommended Use Level: 3-12% 	In Vivo: At 1000 ppm, rapidly reduces redness within 1 hour. In Vitro: Reduces inflammatory factor levels, inhibits acetylcholine release, and exhibits antioxidant and anti-glycation activities.
 ZenLift Max SOL Sensitive Skin Anti-Wrinkle & Elasticity Enhancing Peptide  	Triptide-1, Acetyl Diptide-1 Cetyl Ester, Palmitoyl Tetrapeptide-7, Palmitoyl Triptide-1, Butylene Glycol, Pentylen Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Promotes HA & collagen production, reduces wrinkles and redness, repairs the skin barrier, controls vasodilation, soothes the skin.	Active Concentration: 5,400 ppm Recommended Use Level: 1-8% 	In Vitro: Reduces inflammatory factor levels, promotes type I and III collagen and elastin synthesis.

APderma® Lip Care

 High-Purity Peptide Powders
  Singular Peptide Solution
  Complex Peptide Solutions

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Pal Lip OIL PAL-Lip (Alternative to leading brand)  	Palmitoyl Triptide-1, Ethylhexyl Palmitate, Tribehenin, Sorbitan Isostearate, Lactic Acid	Mimics natural skin signals to activate fibroblasts, boosts synthesis of collagen I/III, elastin and GAGs, strengthens dermal structure, relieves sagging and fine lines, and repairs skin barrier.	Active Concentration: 1,000 ppm Recommended Use Level: 1-3% 	In Vivo: At 10 ppm, delivers reduction of lip wrinkles and improvement of lip fullness after 7 days of use. In Vitro: Promotes type I and III collagen synthesis.

 High-Purity Peptide Powders
  Singular Peptide Solution
  Complex Peptide Solutions
  HALAL
  COSMOS
  China Compliant
  Patent
  Soluble in Water
  Soluble in Oil

APderma® Brightening & Pigmentation

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 DendriAgeX SOL DendriAgeX CN 120248018 A 	Histidine/Lysine Dendrimer Methyl Ester, Aqua (Water), Caprylyl Glycol	Utilizes sphere-peptide technology to neutralize free radicals, and accelerates the shedding of pigmented keratinocytes for a more even, luminous complexion.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: At 5%, reduces erythema induced by UV exposure after 4 days of use. In Vitro: Supports type I and III collagen synthesis and reduces cellular ROS levels.
 Glow Nona-1 Nonapeptide-1   	Nonapeptide-1	Brightens & lightens, balances tone, fades spots; blocks α -MSH signal, inhibits tyrosinase, blocks melanin synthesis.	Recommended Use Level: 10-100 ppm 	In Vivo: At 50 ppm, delivers improvement of skin brightness after 28 days of use. In Vitro: Reduces melanin content and inhibits tyrosinase activity.
 Glow Nona-1 OIL Nonapeptide-1 	Nonapeptide-1, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, 1,2-Hexanediol, Aqua (Water)	Brightens & lightens, balances tone, fades spots; blocks α -MSH signal, inhibits tyrosinase, blocks melanin synthesis.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 5% ppm, delivers improvement of skin brightness after 28 days of use. In Vitro: Reduces melanin content and inhibits tyrosinase activity.
 Glow Nona-1 SOL Nonapeptide-1 	Nonapeptide-1, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Brightens & lightens, balances tone, fades spots; blocks α -MSH signal, inhibits tyrosinase, blocks melanin synthesis.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 50 ppm, delivers improvement of skin brightness after 28 days of use. In Vitro: Reduces melanin content and inhibits tyrosinase activity.
 GlowMax SOL Lightening & Brightness Enhancing Peptide  	Nonapeptide-1, 4-Butylresorcinol, Butylene Glycol, Pentylen Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Synergistic brightening, reduces tyrosinase at multiple sites, reversible non-destructive blocking – safe & efficient melanin inhibition.	Active Concentration: 1,100 ppm Recommended Use Level: 1-8% 	In Vivo: At 5%, delivers improvement of skin brightness after 28 days of use. In Vitro: Inhibits tyrosinase activity.
 StellaCyclic SOL Stellacyclic 	Cyclo sh-Pentapeptide-48 SP, Propanediol, Aqua (Water)	Inhibits melanin synthesis, soothes irritation and neutralizes free radicals. Brightens, calms skin, boosts resilience and antioxidant defense.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: Reduces melanin content, scavenges free radicals, and reduces inflammatory factor levels.

APderma® Brightening & Pigmentation

Product Name	INCI	Product Summary	Form & Specification	Efficacy
ZenGlow SOL Pigmentation, Acne & Inflammation Reducing Peptide	Nonapeptide-1, Potassium Azeloyl Diglycinate, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Inhibits tyrosinase, reduces melanin, brightens & lightens; regulates sebaceous glands, reduces sebum.	Active Concentration: 1,100 ppm Recommended Use Level: 1-8%	In Vivo: At 5%, delivers improvement of skin brightness after 28 days of use. In Vitro: Reduces melanin content and inhibits tyrosinase activity.



APderma® Eye Care

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 EyeMax SOL Extensive Eye Care Peptide	Tripeptide-1, Palmitoyl Tetrapeptide-7, Acetyl Hexapeptide-8, Dipeptide-2, Butylene Glycol, Propylene Glycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Four peptides work synergistically to reduce puffiness, smooth expression lines, improve firmness, promote skin repair, and rejuvenate the eye area.	Active Concentration: 2,550 ppm Recommended Use Level: 1-8% 	In Vivo: At 5%, reduce the appearance of wrinkles around the eyes. In Vitro: At 1%, promotes the synthesis of type I and type III collagen.
 Lux DipO-2 Dipeptide-2	Dipeptide-2	Regulates microcirculation and melanin pathways, provides blue light protection, and delays eye aging.	Recommended Use Level: 10-50ppm 	In Vivo: At 20 ppm, increases skin hydration and reduces transepidermal water loss (TEWL) after 28 days of use. In Vitro: Inhibits angiotensin-converting enzyme (ACE) activity and reduces cellular ROS levels.
 Lux DipO-2 OIL Dipeptide-2	Dipeptide-2, Hydrogenated Polyisobutene, Polyglyceryl-2 Diisostearate, 1,2-Hexanediol, Glycerin, Aqua (Water)	Supports the appearance of under-eye puffiness, firmness, and a smoother eye contour.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: At 5%, increases skin hydration and reduces transepidermal water loss (TEWL) after 28 days of use. In Vitro: Inhibits angiotensin-converting enzyme (ACE) activity and reduces cellular ROS levels.
 Lux DipO-2 SOL Dipeptide-2	Dipeptide-2, Butylene Glycol, Pentylene Glycol, PEG-40 Hydrogenated Castor Oil, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Regulates microcirculation and melanin pathways, provides blue light protection, and delays eye aging.	Active Concentration: 1,000 ppm Recommended Use Level: 1-5% 	In Vivo: At 5%, increases skin hydration and reduces transepidermal water loss (TEWL) after 28 days of use. In Vitro: Inhibits angiotensin-converting enzyme (ACE) activity and reduces cellular ROS levels.
 Eye Sculpt SOL Palmitoyl Tripeptide-1 + Palmitoyl Tetrapeptide-7 (Alternative to leading brand)	Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7, Aqua (Water), Glycerin, Steareth-20, N-Hydroxysuccinimide, Chrysin	Eye Sculpt reduces dark circles by promoting collagen and GAG synthesis while enhancing the clearance of bilirubin, biliverdin, and iron complexes from hemoglobin degradation.	Active Concentration: 150 ppm Recommended Use Level: 1-3% 	Contact us for information

APtricho™ Hair & Scalp Care

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 ECM Tetra-3 Acetyl Tetrapeptide-3 CN 117720617 A  	Acetyl Tetrapeptide-3	Acetyl Tetrapeptide-3 boosts fibroblast activity and ECM synthesis to enhance follicle development. It strengthens hair anchorage, stabilizes follicle cycle and reduces hair loss.	Recommended Use Level: 10-100 ppm 	In Vivo: At 25 ppm, increases eyelash density after 28 days of use. In Vitro: Promotes laminin-5 synthesis to strengthen hair follicle anchorage.
 ECM Tetra-3 SOL Acetyl Tetrapeptide-3 CN 117720617 A  	Acetyl Tetrapeptide-3, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Acetyl Tetrapeptide-3 boosts fibroblast activity and ECM synthesis to enhance follicle development. It strengthens hair anchorage, stabilizes follicle cycle and reduces hair loss.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 25 ppm, increases eyelash density after 28 days of use. In Vitro: Promotes laminin-5 synthesis to strengthen hair follicle anchorage.
 Grow Tetra-3 SOL TetraHair-3 (Alternative to leading brand) CN 117720617 A  	Acetyl Tetrapeptide-3, Butylene Glycol, Bidens Pilosa Extract, Dextran, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Acetyl Tetrapeptide-3 boosts fibroblast activity and ECM synthesis to enhance follicle development. It strengthens hair anchorage, stabilizes follicle cycle and reduces hair loss.	Active Concentration: 1,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 2.5%, increases eyelash density after 28 days of use. In Vitro: Promotes laminin-5 synthesis to strengthen hair follicle anchorage.
 GLux BioPep-1 Biotin-GHK CN 111004304 B  	Biotinoyl Tripeptide-1	This formula boosts ECM synthesis to delay follicle aging and improve hair structure. It secures hair roots against loss, activates tissue repair and stimulates cell activity to promote hair growth.	Recommended Use Level: 20-160 ppm 	In Vivo: At 6 ppm, optimizes the hair growth cycle and improves hair health after 4 months of use. In Vitro: Promotes type IV collagen and laminin-5 synthesis.
 GLux BioPep-1 SOL Biotin-GHK CN 111004304 B 	Biotinoyl Tripeptide-1, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Biotinoyl Tripeptide-1 supports follicular basement membrane health, reinforces root-follicle adhesion, minimizes daily hair fall and boosts visibly fuller hair	Active Concentration: 2,000 ppm Recommended Use Level: 1-8% 	In Vivo: At 6 ppm, optimizes the hair growth cycle and improves hair health after 4 months of use. In Vitro: Promotes type IV collagen and laminin-5 synthesis.
 Grow Azure AHK-Cu  	Alanine/Histidine/Lysine Polypeptide Copper HCl	Promotes human hair follicle growth in vitro; stimulates dermal papilla proliferation, prevents apoptosis – accelerate hair growth, inhibits loss.	Recommended Use Level: 200-1,600 ppm 	In Vitro: Promotes dermal papilla cell proliferation.

APtricho™ Hair & Scalp Care

Product Name	INCI	Product Summary	Form & Specification	Efficacy
 Grow Azure SOL AHK-Cu 20,000 ppm	Alanine/Histidine/Lysine Polypeptide Copper HCl, Glycerin, Propylene Glycol, Aqua (Water), Phenoxyethanol, Caprylyl Glycol	Promotes human hair follicle growth in vitro; stimulates dermal papilla proliferation, prevents apoptosis – accelerate hair growth, inhibits loss.	Active Concentration: 20,000 ppm Recommended Use Level: 1-8% 	In Vitro: Promotes dermal papilla cell proliferation.
 Hair Trixyl SOL Hair Trixyl (Alternative to leading brand) CN 111004304 B 	Biotinoyl Tripeptide-1, Butylene Glycol, Aqua (Water), PPG-26-Buteth-26, PEG-40 Hydrogenated Castor Oil, Apigenin, Oleic Acid	This formula boosts ECM synthesis to delay follicle aging and improve hair structure. It secures hair roots against loss, activates tissue repair and stimulates cell activity to promote hair growth.	Active Concentration: 200 ppm Recommended Use Level: 1-8% 	In Vivo: At 3%, optimizes the hair growth cycle and improves hair health after 4 months of use. In Vitro: Promotes type IV collagen and laminin-5 synthesis.
 LashMax SOL Eyelash Promoter Amplified Peptide 	Acetyl Tetrapeptide-3, Biotinoyl Tripeptide-1, Acetyl Dipeptide-1 Cetyl Ester, Butylene Glycol, Pentyleneglycol, Polysorbate 80, PPG-5-Ceteth-20, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Activates keratin genes, repairs follicles, promotes proliferation/differentiation, increases ECM synthesis, delays follicle aging – promotes eyelash growth; improves nutrient absorption & blood supply, reduces lash loss.	Active Concentration: 4,350 ppm Recommended Use Level: 1-8% 	In Vivo: At 5%, increases eyelash length and count after 28 days of use. In Vitro: Promotes type IV collagen and laminin-5 synthesis, reduces inflammatory factor levels.
 RootPro Max SOL Hair Growth & Care Essential Amplified Peptide 	Biotinoyl Tripeptide-1, Acetyl Tetrapeptide-3, Acetyl Hexapeptide-1, Glycerin, Butylene Glycol, Aqua (Water), Hydroxyacetophenone, 1,2-Hexanediol	Enhances follicle metabolism, delays aging, slows hair loss; promotes proliferation & differentiation, stimulates growth, repairs follicles; promotes melanin transfer – stimulates melanin production.	Active Concentration: 2,350 ppm Recommended Use Level: 1-8% 	In Vivo: At 2%, improves hair shine and strength after 20 days of use. In Vitro: Promotes type IV collagen and laminin-5 synthesis, promotes tyrosinase activity.

[illegible]

This image shows a full page of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

The user of the products is solely responsible for all patent considerations related to the use of these products. Dealing with our products or services does not grant the user any license or permission to work under or to infringe any patent(s).



Address: 77 Rowe St, Newton, MA USA 02466

Email: info@activepeptide.com

Web: www.activepeptide.com