



Innovations Create Beauty Cosmetic Polypeptides



Company's Introduction

Bio Genetic Technology LLC (BGT) core technology is in high throughput screening, *Ab initio* quantum chemistry, and molecular artificial evolution with deep learning algorithms. By those techniques, the functional molecules in regulating biological activities such as neural signal transduction, stem cell maintenance, differentiation, apoptosis, autophagy, and telomerase are designed and developed. We can apply these biologically active materials to nutritional, repair, and anti-aging regimens to regenerate aging skin tissues and cells in the beauty and cosmetic fields.

At BGT, our advanced peptide pilot and manufacturing facilities, excellent R&D capability, and experienced expertise provide us with the exceptional ability to deliver high-quality, highly innovative cosmetic peptides to suit your specific requirements. We are well equipped from small to large-scale synthesis of cosmetic peptides in any complexity, making BGT the ideal partner in the development of your skincare and beauty products. Our dedicated pilot and manufacturing facilities, with a cost-efficiency process, provide us distinct advantages over our competitors in terms of flexibility, product quality, and excellent pricing.

We have capabilities to synthesize from simple to any challenging sequences based on our customers' specifications; our synthesized peptides can be at different purity levels, and scales (mg to kg) with customized solutions to meet any specific requirements. Express delivery service is also available for urgent projects. Reach out today to challenge us with your ideas and take advantage of our expertise.



Novel Instant Wrinkles Reduction Polypeptide – 15 Minutes Results!

Patented Innovative Beauty Anti-Wrinkle Peptide

BGT™ TDP-1

Product Trade Name: BGT™ TDP-1

Product INCI Name: Tridecapeptide-1

Amino Acid Sequence: Ala-Cys-Cys-Leu-Phe-Asn-Cys-His-Ser-Trp-Val-Gly-Cys

Molecule Weight: 1442.7

Property: Clear Liquid

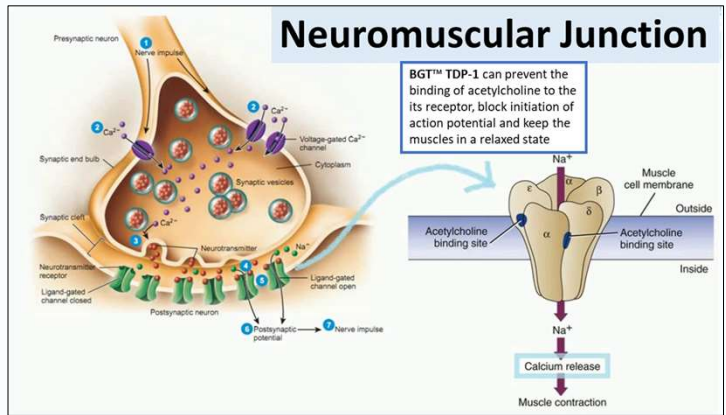
China Compliant Status: YES

Product Description:

BGT™ TDP-1 a neurotransmitter peptide that can inhibit muscle movement for a Botox-like result without using any neurotoxins. It was developed based on artificial intelligent directed and biochemically designed polypeptide chain folding and by molecular docking technology with 13 amino acids in the unique sequence to function the unique and quick “Botox-like” action for wrinkle reduction and eliminate facial fine lines. Unlike any other snit-winkle peptides, it delivers instant results in 15 minutes.

Anti-Wrinkle Mechanism of BGT™ TDP-1

This is the simple model of Neuromuscular Junction, the arrival of a signal in a nerve terminus induces a coordinated release of acetylcholine (ACh) into the synaptic cleft. The acetylcholine binds to the Ach receptor (AChR) on the skeletal muscle endplate, which creates action potentials in the muscle cell; muscle contraction follows. If any step in this process is blocked, the wrinkles will be reduced. BGT™ TDP-1 can effectively prevent the binding of acetylcholine to its receptor, block initiation of muscle contraction action potential, and keep the muscles in a relaxed state to further reduce the fine lines and wrinkles.



Clinical Testing of BGT™ TDP-1 - Instant Wrinkle Reduction in 15 Minutes!

The fine lines around eye corner have been noticeably reduced after 15 minutes of application, and there is no rebound of the fine lines around the eye corners after four hour.



Clinical Study After One Hour Application (120 Panelists)				
BGT™ TDP-1 Level	Skin Tightness	Wrinkle Reduction	Skin Brightness	Skin Smoothness
1%	34.40%	25%	43.80%	37.50%
3%	41.20%	50%	61.80%	61.80%
6%	82.40%	85.30%	100%	100%
10%	100%	97.10%	100%	100%

The clinical study reveals at 10% TDP-1 usage level, nearly 100% panels felt the wrinkle reduction within one hours of application. Even with 3% of TDP-1, 50% panels felt wrinkle reduction and 100% felt skin around eyes improvements, such brightness, tightness and smoothness

Novel Instant Wrinkles Reduction Polypeptide – 15 Minutes Results!

Patented Innovative Beauty Anti-Wrinkle Peptide

BGT™ ALP

Product Trade Name: BGT™ ALP

Product INCI Name: Arginine Lysine Polypeptide

CAS Number: 936616-33-0

Sequence: Gly-His-Cys-Cys-Gly-Asp-Glu-Tyr-Arg-Lys-Trp-Cys-Gly-Lys-Arg-Val-Cys-Arg-Asn-Lys-Ala-Arg-Cys-Cys

Molecule Weight: 2832.32

China Compliant Status: Yes

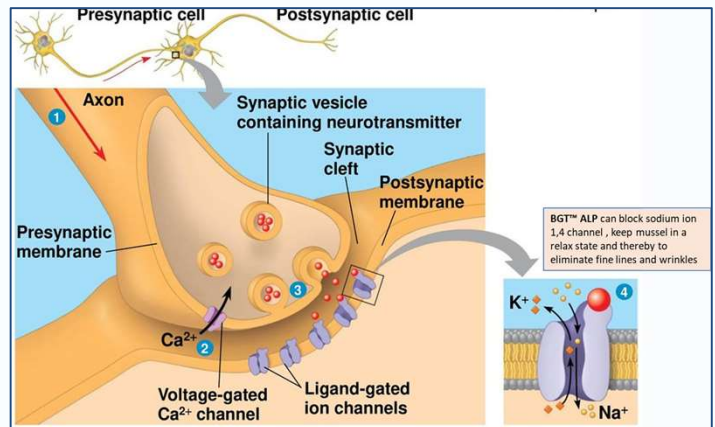
Product Description:

BGT™ ALP is a neurotransmitter peptide that can inhibit muscle movement for a Botox-like result without using any neurotoxins. It was developed based on artificial intelligent directed and biochemically designed polypeptide chain folding and by molecular docking technology with 24 amino acids in the unique sequence to function the unique and quick “Botox-like” action for wrinkle reduction and eliminate facial fine lines. Unlike any other snit-winkle peptides, it delivers instant results in 15 minutes.

Anti-wrinkle Mechanism of BGT™ ALP

The acetylcholine binds to its receptor on the skeletal muscle endplate, opening the membrane to sodium ions which creates an action potential in the muscle cell, and muscle contraction follows. BGT™ ALP can block the sodium ion 1.4 channel, keeping the muscles in a relaxed state, thereby eliminating wrinkles.

The NaV1.4 sodium ion channel has a complex asymmetric selection filter, and the internal pore size of the channel is different, so a large amount of screening is required to obtain a safe and efficient NaV1.4 channel blocker.



Clinical Testing of BGT™ ALP

Clinical Study of Wrinkle Reductions:

Instant Results:

- Wrinkle volume has decreased by more than 10% after using the product for 15 minutes; and about 16% after 4 hours.

Long Term:

- Wrinkle volume has decreased by more than 27% after using the product 4 weeks;
- No rebound for long term effect and noticeably revealed the skin smoothness and fine line reductions



Picture evaluation of wrinkle reduction effect: Consumers have noticeably felt the fine lines reduction around the eye corners after 15 minutes of use, and there is no rebound of the fine lines around the eye corners until the fourth hour. After 15 minutes of use, the smoothness of the skin has been significantly improved, and the smoothness remains basically unchanged for 4 hours.

Exclusively Made by Bio Genetic Technology

BGT
BIO GENETIC TECHNOLOGY

Innovative Patented Hair Strengthen Polypeptide

BGT™ Hair-KPro

Product Trade Name: **BGT™ Hair-KPro**

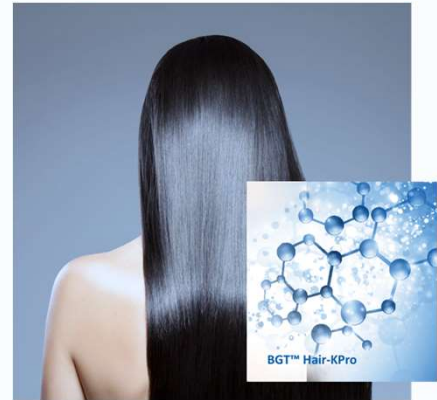
Product INCI Name: Decapeptide-4

CAS Number: 936616-33-0

Molecule Weight: 1368.61

Natural Source: Amino acid sequence mimicked from human hair keratin, safe and non-irritation

China Compliant Status: Yes



Product Description:

- This innovative hair polypeptide is based on the structure of keratin and keratin associated proteins. We coupled with database of keratin-interacting proteins by molecular optimization to make its hydrophilic and hydrophobic groups more balanced.
- Our optimized peptide (Hair-KPro) is much easier to form repair microenvironment and reform disulfide bonds with keratin, it significantly improve the strength of hair.
- BGT™ Hair-KPro has different amino acids sequences than traditional sh-Oligopeptide-78, its special cysteine in the peptide domain interacts with the hair more effectively and allows the strengthen /formation of disulfide bonds that stabilize the keratinous fiber

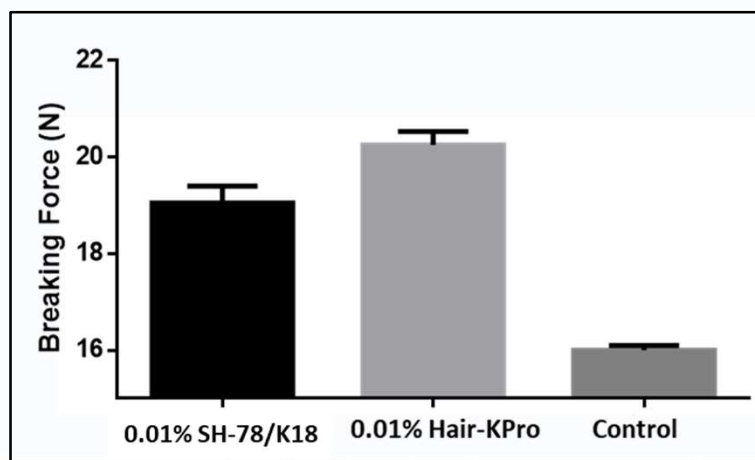
Hair Chemical Damage Repairing Test by BGT™Hair-KPro

Experimental Method:

1. Use severely chemically damaged hair, 25 hair fibers as a cluster.
2. Prepare three solutions: A contains 0.01% SH-78 (K18), B contains 0.01% Hair-KPro (BGT made), and C deionized water (Control)
3. Soak the damaged hair in solutions A, B, and C for 60 minutes
4. Take it out and dry. Apply a hair tensioner to determine the tension value when the hair is completely broken
5. Repeat the test three times and take the average

Test Results:

1. Both SH-78 (K18) and Hair-KPro can significantly improve the toughness and strength of chemically damaged hair
2. Hair-KPro has much better efficacy than traditional SH-78 (K18)



Exclusively Made by Bio Genetic Technology

BGT

Highly Effective Antimicrobial & Antiacne Peptides Derived from Oyster

BGT™Oy-Oligo-P32

Product Trade Name: **BGT™ Oy-Oligo-P32**

Product INCI Name: Oligo

CAS Number:

Molecule Weight:

Natural Source: Amino acid sequence mimicked from human hair

keratin, safe and non-irritation

China Compliant Status: Yes



Product Description:

BGT™ Oy-Oligo-P32 is a natural antimicrobial peptide, isolated from plasma of oysters, which has 4 unique characteristics:

1. Strongly inhibits Propionibacterium acnes
2. Deep penetration, good effect on non-open acne
3. Does not stimulate the release of cell inflammatory factors, relieve redness, swelling and pain
4. Extremely Safe, non-toxic, non-irritating

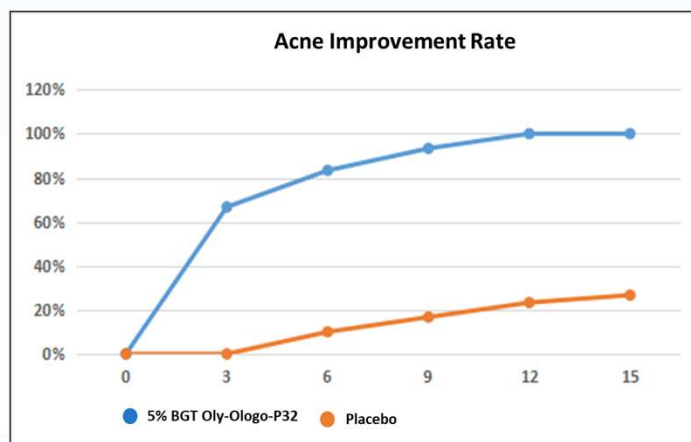
BGT™Oy-Oligo-P32 Human Efficacy Evaluation

Experimental Method:

1. Total of 30 volunteers with obvious facial acne, aged between 20 and 25 years old, half male and half female, were selected to conduct a half-face test
2. After washing the face, apply the emulsion containing 1% antibacterial peptide Oy-Oligo-P32 2 times locally (once in the morning and once in the evening) for 15 consecutive days
3. The control group used emulsion without antimicrobial peptide ACAMP, and the usage method was the same as the experimental group

Test Results:

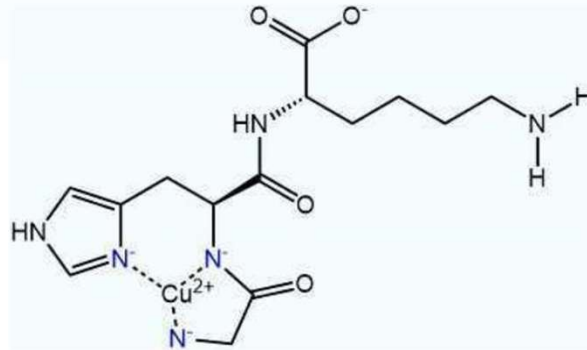
1. 67% of subjects who used 5% BGT™Oy-Oligo-P32 lotion showed significant improvement after 3 days of use. In contrast, five people in the control group improved on day 3.
2. After the 12 day of use, the improvement rate of the experimental group reached 100%, and the self-healing ratio of the corresponding control group was 26.7%. It can be seen that Oy-Oligo-P32 2 has a very good ability to remove acne



Hair Growth, Anti-Inflammatory and Antioxidative Peptide

BGT™ Co-Tri-P1

Product Trade Name: BGT™ Co-Tri-P1
Product INCI Name: Copper Tripeptide-1
CAS Number: : 89030-95-5
Sequence: Glycyl-L-histidyl-L-lysine-Cu²⁺ (GHK-Cu)
Molecular formula: C₁₄H₂₂CuN₆O₄
Molecule Weight: 401.91
China Compliant Status: YES



Product Description:

BGT™Co-Tri-P1 is a growth factor for various kinds of differentiated cells, and it has multiple biological actions such as stimulates blood vessel and nerve outgrowth, increases collagen, elastin, and glycosaminoglycan synthesis, as well as supports the function of dermal fibroblasts. It has also been found to have powerful cell protective actions, cell regenerating and anti-inflammatory actions.

BGT™Co-Tri-P1 also has a major function of stimulating and prolonging the hair growth phase – anagen. It promoted hair growth and increased hair follicle and hair size by improving the vascularity around the hair follicle, and androgen-inducible TGF-β1 derived from dermal papilla cells (DPCs) of androgenetic alopecia involved in the suppression of epithelial cell growth. BGT™Co-Tri-P1 not only play a significant role in regenerating new hair growth, but they can also make your existing hair look and feel thicker by increasing the follicle size. The hair will have a thicker and fuller appearance.

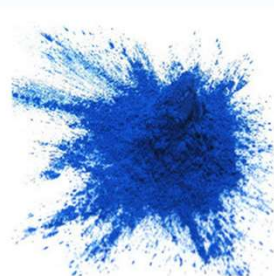
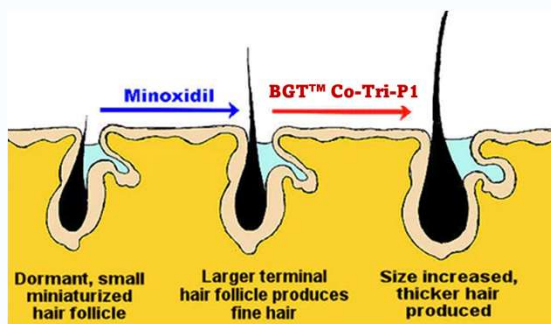
Key Functionalities of BGT™ Co-Tri-P1 (GHK-Cu)

1. Calm irritated and reddened skin
2. Tighten loose skin and improve elasticity
3. Tighten the protective skin barrier proteins
4. Improve skin firmness
5. Reduce fine line
6. Reduce the depth of deep wrinkles

7. Improve skin clarity and “glow”
8. Reduce spots, photodamage, hyperpigmentation
9. Smooth rough skin
10. Improve hair transplant success
11. Improve hair growth and thickness
12. Act as powerful anti-inflammatories on skin

BGT™ Co-Tri-P1 (GHK-Cu) Promote Eyelashes and Hair Growth

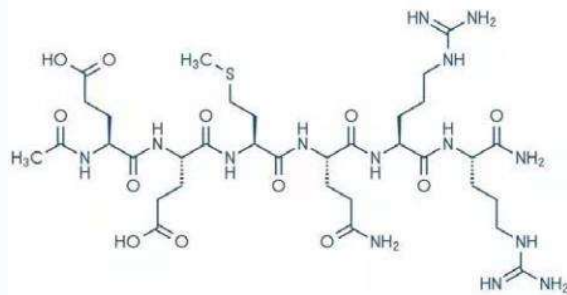
BGT™Co-Tri-P1 not only play a significant role in regenerating new hair growth, but they can also make your existing hair look and feel thicker by increasing the follicle size. The hair will have a thicker and fuller appearance.



Beauty Anti-Wrinkle Polypeptide

BGT™ Acy-Hexa-P8

Product Trade Name: BGT™ Acy-Hexa-P8
Product INCI Name: Acetyl Hexapeptide-8
CAS Number: 616204-22-9
Molecular Formula: $C_{34}H_{60}N_{14}O_{12}S$
Molecule Weight: 888.99
China Compliant Status: YES

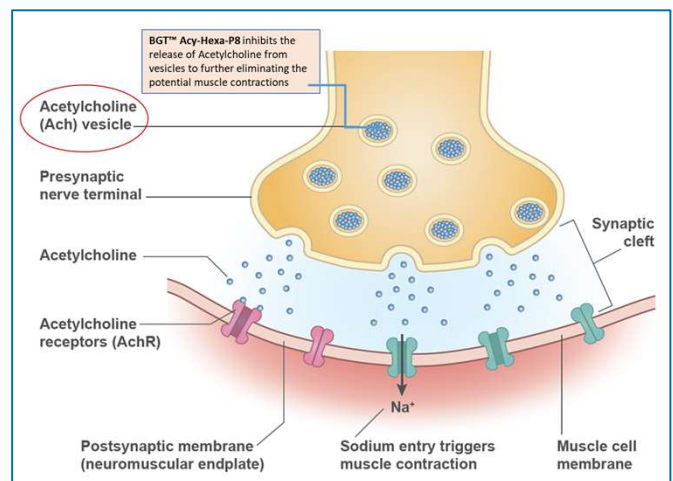


Product Description:

Acetyl hexapeptide-8, also known as Argireline, botulinum-like hexapeptide, and hexapeptide, is a high-quality wrinkle-removing cosmetic raw material with high anti-wrinkle activity and low side effects. It has been in many cosmetic products.

Anti-Wrinkle Mechanism of BGT™ Acy-Hexa-P8

BGT™ Acy-Hexa-P8 acts on nerve terminal cells and takes part in the competition of SNAP-25 in the fusion bubble complex, affecting the formation of the complex. When the fusion vesicle complex is slightly unstable, the vesicles cannot effectively release neurotransmitters. Therefore, the nerve cells secrete less acetylcholine and the downstream muscle cells receive less acetylcholine, which hinders muscle contraction and further prevents wrinkles and fine line formation.



Clinical Study of BGT™ Acy-Hexa-P8

45 volunteers with varying degrees of periorbital wrinkles, ranging in age from 25 to 60 years old, applied 10% Acy-Hexa-P8 (oil/water) emulsion to the crow lines around the eye morning and evening.

After 4 weeks, the changes in the appearance of the subject's periorbital line were fully evaluated. The results showed that the total anti-wrinkle efficacy of this group was about 49% (22/45).



Anti-aging, Anti-wrinkle Peptide

BGT™ DDB

Product Trade Name: BGT™ DDB

Product INCI Name: Dipeptide Diaminobutyroyl

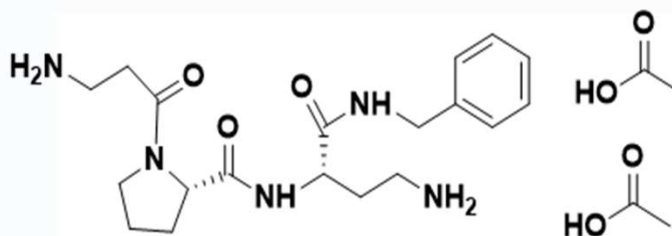
Benzylamine Diacetate

CAS Number: 823202-99-9

Molecule Formula: C₁₉H₂₉N₅O₃(C₂H₄O₂)

Molecule Weight: 495.6

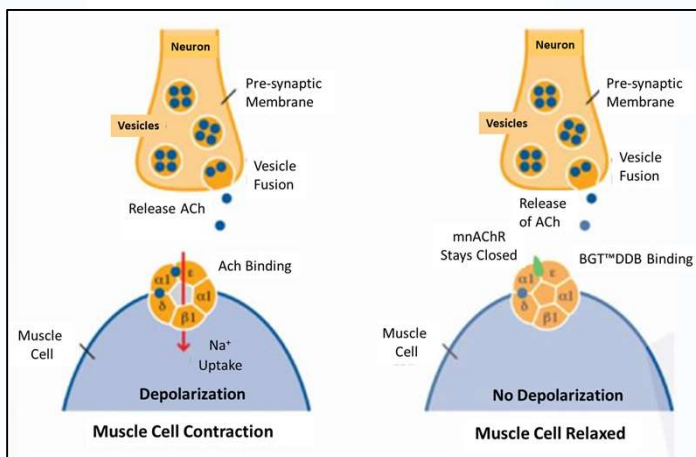
China Compliant Status: YES



Product Description:

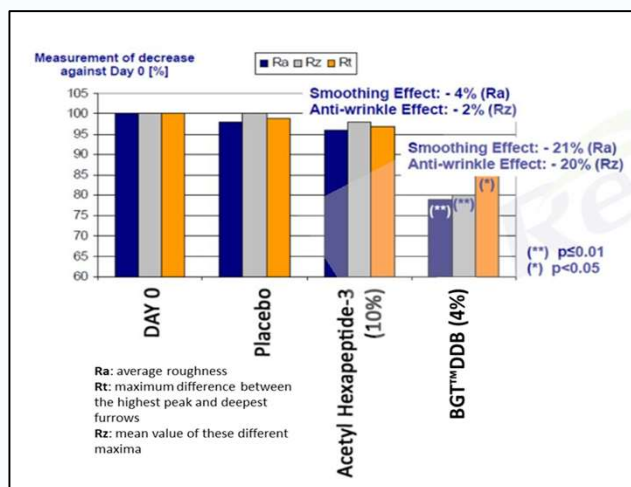
Dipeptide diamino butyroyl benzylamide diacetate, a biologically active polypeptide, classified as a neuropeptide and developed to mimic Waglerin-1, a compound found in temple viper snake venom, is a tripeptide with a small molecular weight less than 500 Da, which results to penetrate nicely and easily into the skin. It has attracted much attention of researchers owing to its properties of anti-aging and anti-wrinkles.

Anti-Wrinkle Mechanism of BGT™ DDB



BGT™ DDB acts on the postsynaptic membrane and is a reversible antagonist of the muscle nicotinic acetylcholine receptor (mnAChR), and SYN-AKE binds to the subunit of mnAChR and occupies the position of acetylcholine, thereby blocking acetylcholine Binding with the receptor makes the acetylcholine receptor not activated, which eventually leads to the closure of the receptor. In the closed state, sodium ions cannot be ingested, cannot be depolarized, and the nerve excitation transmission is blocked. To maintain a relaxed state, that is, nerve impulses cannot be transmitted to the muscles, resulting in relaxation of the muscles of expression. The specific process is shown in the figure on the left

In-Vivo Testing



The product and placebo creams were applied to the forehead twice a day for 28 days. The study included 15 volunteers (aged 40-60 years) in each group. The test showed that only a 4% DDB concentration reduced wrinkles by 52% after 28 days, with a measurable smoothing effect in 80% of the volunteers and a visibly reduced wrinkle in 73% of the volunteers. The effect is especially useful for the elderly. This is because wrinkles get deeper and deeper with age, and years of smiling and frowning obviously lead to wrinkles

Skin Whitening/Lightening and Hyperpigmentation Reduction Peptide BGT™ 9-P1

Product Trade Name: BGT™ 9-P1

Product INCI Name: Nonapeptide-1

CAS Number: 158563-45-2

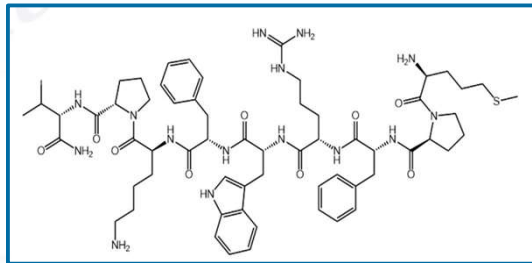
Sequence: L-Methionyl-L-prolyl-D-phenylalanyl-L-arginyl-D-tryptophyl-L-phenylalanyl-L-lysyl-L-prolyl-L-valinamide

Molecule Formula: C₆₁H₈₇N₁₅O₉S

Molecule Weight: 1206.5

China Compliant Status: YES

Sequence: L-Methionyl-L-prolyl-D-phenylalanyl-L-arginyl-D-tryptophyl-L-phenylalanyl-L-lysyl-L-prolyl-L-valinamide

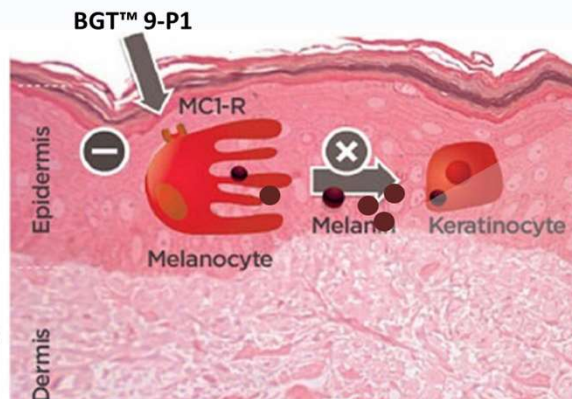


Product Description:

BGT™ 9-P1 is a biomimetic peptide which is specifically designed to inhibit melanin synthesis by interfering with the action of tyrosinase in melanocytes. Nonapeptide-1 is an effective antagonist of α -MSH (Alpha Melanocyte Stimulating Hormone). **α -MSH binds to the MC1-Receptor to activate the melanocyte to produce melanin.** Reduce hyperpigmentation and lighten darker areas that have been damaged by the sun and certain diseases.

The Mechanism of BGT™ 9-P1

The melanocyte-stimulating hormone α -MSH binds to the MC1 receptor on melanocytes, and then tyrosinase is activated to synthesize melanin. BGT™ 9-P1 can antagonize α -MSH and block the alpha for melanin-stimulating signal at the source of melanin, to avoid binding to receptors on melanocytes, thereby preventing further activation of tyrosinase receptor. which is very effective in controlling poor skin tone and age spots. Clinically shows that it has a significant whitening effect on Asians, and it has no cytotoxicity and does not affect the function of melanocytes. It is an ideal skin whitening agent.



The in-Vivo Test of BGT™ 9-P1

Test Method: 100 Asian women between the age of 18-45, including various skin types, were selected as volunteers for this study. One side of the volunteer's face used the skin lotion containing nonapeptide, and the other side used the non-nonapeptide control lotion, both lotions were applied twice a day for two months.

Performance Level	Evaluation Comments	% of Total Volunteers
1	No Change	2%
2	Skin brighten	5%
3	Slightly Whitening	14%
4	Obviously Whitening	79%

Performance Benefits	1 Week Use	4 Weeks Use
Age Spots Reduction	62%	78%
Skin Lighter/Whiter	76%	80%
Dull Complexion Reduction	86%	92%
Skin Brighter	66%	86%
Skin Tone Evenness	74%	88%
Skin Moisturized	66%	80%
Skin Smoothness	76%	90%

Antioxidant and Skin Whitening Peptide

BGT™ GluT

Product Trade Name: BGT™ GluT

Product INCI Name: Glutathione

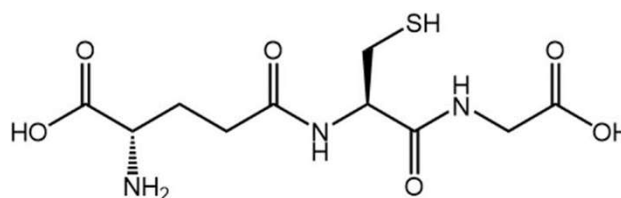
CAS Number: 70-18-8

Sequence: cysteine, glutamic acid, and glycine.

Molecule Formula: C₁₀H₁₇N₃O₆S

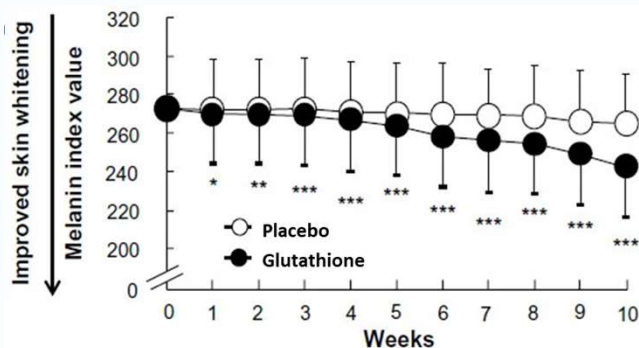
Molecule Weight: 307.3

China Compliant Status: YES



Product Description:

Glutathione is a low molecular weight thiol-tripeptide that plays a prominent role in maintaining intracellular redox balance. Glutathione is one of the richest and powerful antioxidants that has multiple anti-aging benefits including glowing skin, lighter skin, removal of blemishes, improved acne symptoms, improved skin quality, collagen production and more. It is also found that glutathione has great anti-melanogenic properties; it interacts with melanin production, the main pigment resulting in pigmentation of the skin and darker skin tone. Melanocytes convert an amino acid called tyrosine into melanin using an enzyme called tyrosinase. Glutathione inhibits tyrosinase glycosylation and thus blocks the production of melanin and skin pigmentation.



The results showed melanin index values decreased slightly after 10 weeks' application of the placebo lotion. In contrast, sites that received lotion with Glutathione showed a clear decrease in melanin index values, beginning in the early weeks of the study period. From Weeks 1 through 10, the melanin index values of the sites that received GSSG lotion were significantly lower than the values of the sites that received placebo lotion.

BGT™ GluT Skin Whitening Role

Melanin is responsible for one's skin color. The enzyme Tyrosinase plays a vital role in the synthesis of this pigment. In case of a darker complexion or an uneven skin, there is also an elevated production of melanin (a pigment responsible for imparting the dark brown color). Glutathione goes a long way to inhibit the activity of the Tyrosinase enzyme which, in turn, slows down the production of melanin. Further, the antioxidant is also responsible for an increased conversion of Eumelanin to Pheomelanin (responsible for imparting the yellow-red color), thereby lightening the skin tone significantly.

Role of Glutathione in Skin Whitening



Cosmetic Beauty Polypeptides

Trade Name	INCI	Functionalities	Description
BGT™ TDP-1	Tridecapeptide-1	Instant anti-wrinkle, anti-aging	BGT™ TDP-1 is a novel anti-wrinkle peptide with INSTANT clinical results in 15 minutes! It's a neurotransmitter peptide developed based on artificial intelligent directed and biochemically designed polypeptide chain folding and by molecular docking technology and quick "Botox-like" action for wrinkle reduction and eliminate facial fine lines.
BGT™ ALP	Arginine Lysine Polypeptide	Instant anti-wrinkle, anti-aging	BGT™ ALP is a novel neurotransmitter peptide with 24 amino acids with unique sequence, which block the sodium ion 1.4 channel, keeping the muscles in a relaxed state. This highly innovative peptide has high efficacy stretching the tight muscles to achieve an immediate effect of removing wrinkles
BGT™ Acy-Hexa-P8	Acetyl Hexapeptide-8	Anti-wrinkle, anti-aging	Acetyl hexapeptide-8, also known as Argireline, botulinum-like hexapeptide, and hexapeptide, is a high-quality wrinkle-removing cosmetic raw material with high anti-wrinkle activity and low side effects.
BGT™ DDB	Dipeptide Diaminobutyroyl Benzylamide	Anti-wrinkle, anti-aging	Snake venom-like peptide (SYN-AKE), is a kind of snake venom-like toxin Waglerin 1 (an antagonist of muscle nicotinic acetylcholine receptors, which can inhibit nerve muscle contraction) active synthetic small molecule peptides.
BGT™ Hair-KPro	Decapeptide-4	Hair strengthen and damage hair repairing	BGT™ Hair-KPro has different amino acids sequences than traditional sh-Oligopeptide-78, its special cysteine in the peptide domain interacts with the hair more effectively and allows the strengthen /formation of disulfide bonds that stabilize the keratinous fiber
BGT™ Oy-Oligo-P32	Oligopeptide-32	Highly Effective Antimicrobial & Antiacne Peptides	Strongly inhibits Propionibacterium acnes; Deep penetration, good effect on non-open acne; Does not stimulate the release of cell inflammatory factors, relieve redness, swelling and pain; Extremely Safe, non-toxic, non-irritating
BGT™ GluT	Glutathione	Skin whitening, Antioxidant, Collagen production	Glutathione is one of the richest and powerful antioxidants that has multiple anti-aging benefits including glowing skin, lighter skin, removal of blemishes with additional anti-melanogenic properties, become the most popular "systemic skin lightening molecule.
BGT™ 9-P1	Nonapeptide-1	Skin Whitening /Lightening and Hyperpigmentation Reduction	It can antagonize the melanocyte-stimulating hormone α -MSH, block the melanin formation source, stop the transmission of α -melanotropin information, avoid binding with the receptor on melanocytes, and prevent further activation of tyrosinase, further to play a whitening effect.
BGT™ Co-Tri-P1	Copper Tripeptide-1	Eyelash and hair growth, Anti-Inflammatory and Antioxidation	BGT™Co-Tri-P1 has a major function of stimulating and prolonging the hair growth phase – anagen. It is a growth factor for various kinds of differentiated cells, and it has multiple biological actions such as increases collagen, elastin, and glycosaminoglycan synthesis, as well as supports the function of dermal fibroblasts
BGT™ Tri-P1	Tripeptide-1	Anti-wrinkle, anti-aging	By activating the signal transduction pathway in the cell, the cell can be restored to a healthier state and achieve the anti-aging effect.
BGT™ BT-P1	Biotinoyl Tripeptide-1	Eyelash and hair growth	It can increase the synthesis of extracellular matrix such as collagen and laminin, delay the aging of hair follicles, improve the structure of hair follicles, help hair fixation in the dermis follicles, prevent hair loss

Cosmetic Beauty Polypeptides

Trade Name	INCI	Functionalities	Description
BGT™ My-Penta-P17	Myristoyl Pentapeptide-17	Eyelash and hair growth	Myristoyl pentapeptide-17 is an effective cosmetic peptide for promoting eyelash growth, which can effectively stimulate the synthesis of keratin in hair and promote the growth of hair (eyelashes, eyebrows, hair). long, making the hair thicker and tougher
BGT™ Acy-Octa-P3	Acetyl Octapeptide-3	Reduction of wrinkles, reducing expression lines and reducing crow's feet	Acetyl Octapeptide-3, also known as SNAP-8, is an effective peptide for combating wrinkles. This octapeptide acts as an anti-wrinkle agent, specifically targeting the lines caused by facial muscle contractions. It provides a topical alternative to injections, offering visible results.
BGT™ Palmi-Tri-P1	Palmitoyl Tripeptide-1	Collagen renewal, Fine line reduction	Stimulate collagen renewal, help increase the synthesis of matrix protein and glycosaminoglycan in the dermis, promote the regeneration of epidermal cells, and reduce fine lines and wrinkles.
BGT™ Palmi-Tetra-P7	Palmitoyl Tetrapeptide-7	Elastin and collagen renewal; Wrinkle reduction	Inhibit the inflammatory process caused by the degradation of extracellular matrix and stimulate the synthesis of elastin and collagen. Improve skin texture, remove wrinkles and anti-aging.
BGT™ Palmi-Penta-P4	Palmitoyl Pentapeptide-4	Collagen renewal, High moisturizing	It is an amino acid peptides and offers skin the effects of retinol without the irritation. It triggers collagen stimulation and production of healthy elastin for a smoother skin surface.
BGT™ My-Penta-P8	Myristoyl Pentapeptide-8	Dark circle/eye bag reduction	Can inhibit angiotensin-converting enzyme and enhance the lymph circulation of eye department, promote water discharge and eliminate edema (eye bag) and dark circles
BGT™ Acty-Tetra-P5	Acetyl Tetrapeptide-5	Smoothing, hydrating, firmness	A known humectant or hydroscopic moisturizer which helps reduce eye puffiness, improve skin elasticity, reduce dark under-eye circles as well as overall smoothness.
BGT™ EGF	EGF (Epidermal growth factor)	Collagen reproduction, increase elasticity	EGF stimulates cells in the skin called fibroblasts, which produce collagen and elastin to clarify, thicken and tighten skin.
BGT™ KGF	KGF (Keratinocyte growth factor)	Promote healthy hair; hair follicle & scalp care	KGF promotes healthy hair. Keratinocyte growth factor binds to the KGF receptor on the cell surface, acting as both a growth and survival factor
BGT™ EGT	Ergothioneine	Antioxidant, Free radical scavenger	Ergothioneine is an antioxidant that protects the mitochondrial membrane from oxidation by transferring fatty acids to help skin use oxygen more efficiently and produce more regenerative energy.
BGT™ L-Car	L-Carnosine	Tissues preparing, Skin smooth, Anti-oxidant	L-Carnosine has been shown to rejuvenate connective tissue cells. Damaged proteins accumulate and cross-link in the skin, causing wrinkles and loss of elasticity. L-Carnosine functions as a protein building block (the carnosine peptide contains the amino acids histidine and alanine).



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