

## Peptide Product Descriptions - April 2024

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## ➤ Longevity Peptide

Longevity Peptide is a bioactive peptide composed of four peptides derived from the pineal gland and thymus. It has the effects of delaying aging and enhancing immunity.

### Functions of Longevity Peptide:

- **Delay aging:** Longevity Peptide can activate telomerase activity and extend telomere length, thereby delaying cell aging.
- **Enhance immunity:** Longevity Peptide can activate immune cells and enhance the function of the immune system.
- **Improve body function:** Longevity Peptide can improve vision, liver function, kidney function and other body functions.
- **Anti-inflammatory:** Longevity Peptide has a strong anti-inflammatory effect.

### Applications of Longevity Peptide:

- **Food:** Longevity Peptide can be used as a food additive, added to health food, functional beverages and other products to delay aging and enhance immunity.
- **Cosmetics:** Longevity Peptide can be added to cosmetics and skin care products to delay aging and anti-wrinkle.

### How to use Longevity Peptide:

- **Food:** The usual dosage of Longevity Peptide is 2-5 grams per day, which can be taken with meals.
- **Cosmetics:** The usage of Longevity Peptide depends on the specific dosage form of the product. It is generally recommended to use it according to the product instructions.



### **Safety and side effects of Longevity Peptide:**

- **Safety:** Longevity Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Longevity Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Longevity Peptide:**

- **Strong anti-aging effect:** Longevity Peptide can activate telomerase activity and extend telomere length, which is one of the most effective ways to delay aging at present.
- **Enhance immunity:** Longevity Peptide can activate immune cells, enhance the function of the immune system, and improve the ability to resist diseases.
- **High safety:** Longevity Peptide is a natural bioactive substance with high safety.

### **Future development of Longevity Peptide:**

Longevity Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food, medicine and beauty.

### **Additional Information:**

- **Telomerase:** Telomerase is an enzyme that can add telomeres to the ends of chromosomes. Telomeres are protective caps that prevent chromosomes from fusing together. As we age, our telomeres shorten, which can lead to cell aging and diseases.
- **Thymus:** The thymus is an organ that is part of the immune system. It is responsible for the maturation of T cells, which are a type of white blood cell that helps to fight infection.



## ➤ Bone and Muscle Peptide

Bone and Muscle Peptide is a bioactive peptide extracted from type II collagen. It has the effects of promoting collagen hyperplasia, inhibiting collagen decomposition, and anti-inflammation.



### Functions of Bone and Muscle Peptide:

- **Promote collagen hyperplasia:** Bone and Muscle Peptide can stimulate collagen synthesis, promote the repair and regeneration of skin, joints, cartilage and other tissues.
- **Inhibit collagen decomposition:** Bone and Muscle Peptide can inhibit the activity of matrix metalloproteinase (MMP-1), prevent collagen from being decomposed, and thus achieve the effect of anti-aging.
- **Anti-inflammatory:** Bone and Muscle Peptide can inhibit the expression of inflammatory factors, reduce inflammatory response, and relieve joint pain.

### Applications of Bone and Muscle Peptide:

- **Food:** Bone and Muscle Peptide can be used as a food additive, added to health food, functional beverages and other products to improve joint health, beauty and beauty.
- **Cosmetics:** Bone and Muscle Peptide can be added to cosmetics and skin care products to anti-aging, tighten skin, and reduce wrinkles.

### How to use Bone and Muscle Peptide:

- **Food:** The usual dosage of Bone and Muscle Peptide is 2-5 grams per day, which can be taken with meals.
- **Cosmetics:** The usage of Bone and Muscle Peptide depends on the specific dosage form of the product. It is generally recommended to

use it according to the product instructions.

- **Used with:** It is recommended to take one high-dose vitamin C daily to double the effect.

### **Safety and side effects of Bone and Muscle Peptide:**

- **Safety:** Bone and Muscle Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Bone and Muscle Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Bone and Muscle Peptide:**

- **High bioactivity:** Bone and Muscle Peptide has good bioactivity and can effectively exert its effects.
- **Good stability:** Bone and Muscle Peptide has the characteristics of heat resistance, acid resistance and alkali resistance, and good stability.
- **Tasteless and odorless:** Bone and Muscle Peptide is tasteless and odorless, easy to accept.

### **Future development of Bone and Muscle Peptide:**

Bone and Muscle Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food, medicine and beauty.

### **Additional Information:**

- **Collagen:** Collagen is a protein that is found in all connective tissues in the body. It is responsible for providing strength and structure to the skin, bones, joints, and other tissues.



## ➤ Super Whitening Peptide

Super Whitening Peptide is a bioactive peptide extracted from whey protein. It has the effects of inhibiting tyrosinase activity and whitening and removing spots.



### Functions of Super Whitening Peptide:

- **Inhibit tyrosinase activity:** Tyrosinase is the key enzyme in melanin synthesis. Super Whitening Peptide can inhibit tyrosinase activity, thereby reducing melanin production.
- **Whitening and removing spots:** Super Whitening Peptide can effectively lighten dark spots, freckles, chloasma and other spots, making the skin tone more even and translucent.

### Applications of Super Whitening Peptide:

- **Food:** Super Whitening Peptide can be used as a food additive, added to health food, functional beverages and other products to whiten and remove spots, and anti-aging.
- **Cosmetics:** Super Whitening Peptide can be added to cosmetics and skin care products to whiten and remove spots, brighten skin tone, etc.

### How to use Super Whitening Peptide:

- **Food:** The usual dosage of Super Whitening Peptide is 2-5 grams per day, which can be taken with meals.
- **Cosmetics:** The usage of Super Whitening Peptide depends on the specific dosage form of the product. It is generally recommended to use it according to the product instructions.

### Safety and side effects of Super Whitening Peptide:

- **Safety:** Super Whitening Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Super Whitening Peptide are still unclear, but it is generally believed that its side effects are small.



#### **Advantages of Super Whitening Peptide:**

- **Strong whitening effect:** Super Whitening Peptide can inhibit 91% of tyrosinase activity, which is the strongest whitening factor in the world at present.
- **Good stability:** Super Whitening Peptide has the characteristics of heat resistance, acid resistance and alkali resistance, and good stability.
- **Tasteless and odorless:** Super Whitening Peptide is tasteless and odorless, easy to accept.

#### **Future development of Super Whitening Peptide:**

Super Whitening Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food, medicine and beauty.

## ➤ **Anti-Allergic Peptide**

Anti-Allergic Peptide is a bioactive peptide that is the first of its kind in the world. It has the effect of blocking the binding of allergens to IgE receptors and preventing the occurrence of allergic symptoms.



### **Functions of Anti-Allergic Peptide:**

- **Prevent allergies:** Anti-Allergic Peptide can bind to IgE receptors on the surface of cells, blocking the binding of allergens to IgE receptors, thereby preventing the occurrence of allergic symptoms.
- **Relieve allergic symptoms:** Anti-Allergic Peptide can inhibit the degranulation of mast cells, reduce the release of allergic mediators, and thereby relieve allergic symptoms.

### **Applications of Anti-Allergic Peptide:**

- **Food:** Anti-Allergic Peptide can be used as a food additive, added to health food, functional beverages and other products to prevent allergies, relieve allergic symptoms, etc.
- **Cosmetics:** Anti-Allergic Peptide can be added to cosmetics and skin care products to prevent allergies, soothe sensitive skin, etc.

### **How to use Anti-Allergic Peptide:**

- **Food:** The usual dosage of Anti-Allergic Peptide is 2-5 grams per day, which can be taken with meals.
- **Cosmetics:** The usage of Anti-Allergic Peptide depends on the specific dosage form of the product. It is generally recommended to use it according to the product instructions.

### **Safety and side effects of Anti-Allergic Peptide:**



- **Safety:** Anti-Allergic Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Anti-Allergic Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Anti-Allergic Peptide:**

- **Strong effect in preventing allergies:** Anti-Allergic Peptide can block the binding of allergens to IgE receptors, thereby effectively preventing the occurrence of allergic symptoms.
- **Quick relief of allergic symptoms:** Anti-Allergic Peptide can inhibit the degranulation of mast cells, reduce the release of allergic mediators, and thereby quickly relieve allergic symptoms.
- **High safety:** Anti-Allergic Peptide is a natural bioactive substance with high safety.

### **Future development of Anti-Allergic Peptide:**

Anti-Allergic Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food, medicine and beauty.

### **Additional Information:**

- **IgE receptor:** IgE receptor is a type of cell surface receptor that binds to IgE antibodies. When an allergen binds to an IgE antibody bound to an IgE receptor, it triggers the release of allergic mediators such as histamine, leukotrienes, and prostaglandins. These mediators cause the symptoms of allergy.
- **Mast cell:** Mast cells are a type of white blood cell that are found in connective tissues. They contain histamine, leukotrienes, and prostaglandins, which are allergic mediators. When an allergen binds



to an IgE antibody bound to an IgE receptor on a mast cell, it triggers the degranulation of the mast cell, releasing these allergic mediators.



## ➤ **Blood Sugar Lowering Peptide**

Blood Sugar Lowering Peptide is a bioactive peptide extracted from bitter melon. It has a similar effect to insulin and can help stabilize blood sugar.

### **Functions of Blood Sugar Lowering Peptide:**

- **Lower blood sugar:** Blood Sugar Lowering Peptide can increase the binding ability of insulin to insulin receptors, promote the utilization of glucose, and thereby lower blood sugar.
- **Improve insulin resistance:** Blood Sugar Lowering Peptide can improve insulin resistance, making insulin more effective.
- **Promote islet cell regeneration:** Blood Sugar Lowering Peptide can promote the regeneration of islet cells and improve insulin secretion capacity.

### **Applications of Blood Sugar Lowering Peptide:**

- **Food:** Blood Sugar Lowering Peptide can be used as a food additive, added to health food, functional beverages and other products to lower blood sugar, prevent diabetes, etc.
- **Medicine:** Blood Sugar Lowering Peptide can be used to treat diabetes.

### **How to use Blood Sugar Lowering Peptide:**

- **Food:** The usual dosage of Blood Sugar Lowering Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Blood Sugar Lowering Peptide should follow the doctor's advice.

### **Safety and side effects of Blood Sugar Lowering Peptide:**



- **Safety:** Blood Sugar Lowering Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Blood Sugar Lowering Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Blood Sugar Lowering Peptide:**

- **Strong blood sugar lowering effect:** Blood Sugar Lowering Peptide can increase the binding ability of insulin to insulin receptors, promote the utilization of glucose, and thereby effectively lower blood sugar.
- **Improve insulin resistance:** Blood Sugar Lowering Peptide can improve insulin resistance, making insulin more effective.
- **High safety:** Blood Sugar Lowering Peptide is a natural bioactive substance with high safety.

### **Future development of Blood Sugar Lowering Peptide:**

Blood Sugar Lowering Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food and medicine.

### **Additional Information:**

- **Insulin:** Insulin is a hormone produced by the pancreas. It helps cells absorb glucose from the blood.
- **Insulin resistance:** Insulin resistance is a condition in which cells do not respond normally to insulin. This can lead to high blood sugar levels and diabetes.
- **Islet cells:** Islet cells are cells in the pancreas that produce insulin.



## ➤ Triglycerides Lowering Peptide

Triglycerides Lowering Peptide is a bioactive peptide composed of four amino acids. It has the effect of reducing triglycerides in the blood.

### Functions of Triglycerides Lowering Peptide:

- **Reduce triglycerides:** Triglycerides Lowering Peptide can enhance the activity of lipase in the liver, promote fat metabolism, reduce the synthesis of triglycerides; it can also inhibit the absorption of fat by the intestine, reduce the intake of triglycerides.
- **Promote fat metabolism:** Triglycerides Lowering Peptide can enhance the activity of lipase in adipose tissue, promote fat **metabolism**, and help lose weight.

### Applications of Triglycerides Lowering Peptide:

- **Food:** Triglycerides Lowering Peptide can be used as a food additive, added to health food, functional beverages and other products to reduce triglycerides, prevent cardiovascular diseases, etc.
- **Medicine:** Triglycerides Lowering Peptide can be used to treat hypertriglyceridemia.

### How to use Triglycerides Lowering Peptide:

- **Food:** The usual dosage of Triglycerides Lowering Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Triglycerides Lowering Peptide should follow the doctor's advice.

### Safety and side effects of Triglycerides Lowering Peptide:

- **Safety:** Triglycerides Lowering Peptide is a natural bioactive substance



with high safety.

- **Side effects:** The side effects of Triglycerides Lowering Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Triglycerides Lowering Peptide:**

- **Strong effect of lowering triglycerides:** Triglycerides Lowering Peptide can enhance the activity of lipase in the liver, promote fat **metabolism**, reduce the synthesis of triglycerides; it can also inhibit the absorption of fat by the intestine, reduce the intake of triglycerides.
- **Promote fat metabolism:** Triglycerides Lowering Peptide can enhance the activity of lipase in adipose tissue, promote fat **metabolism**, and help lose weight.
- **High safety:** Triglycerides Lowering Peptide is a natural bioactive substance with high safety.

### **Future development of Triglycerides Lowering Peptide:**

Triglycerides Lowering Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food and medicine.

### **Additional Information:**

- **Triglycerides:** Triglycerides are a type of fat found in the blood. They are the most common type of fat in the body.
- **Lipase:** Lipase is an enzyme that breaks down fats.
- **Hypertriglyceridemia:** Hypertriglyceridemia is a condition in which the blood triglyceride level is too high. This can increase the risk of heart disease.



## ➤ **Anti-Gout Peptide**

Anti-Gout Peptide is a bioactive peptide composed of two peptides. It has the effects of inhibiting uric acid formation, promoting uric acid excretion, and quickly reducing pain.



### **Functions of Anti-Gout Peptide:**

- **Inhibit uric acid formation:** Anti-Gout Peptide can inhibit the activity of xanthine oxidase, reduce the production of uric acid.
- **Promote uric acid excretion:** Anti-Gout Peptide can promote uric acid to dissolve in the blood and be excreted from the body through the kidneys.
- **Quickly reduce pain:** Anti-Gout Peptide can inhibit the activity of immune cells, reduce inflammatory response, and quickly relieve gout pain.

### **Applications of Anti-Gout Peptide:**

- **Food:** Anti-Gout Peptide can be used as a food additive, added to health food, functional beverages and other products to prevent and treat gout.
- **Medicine:** Anti-Gout Peptide can be used to treat gout.

### **How to use Anti-Gout Peptide:**

- **Food:** The usual dosage of Anti-Gout Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Anti-Gout Peptide should follow the doctor's advice.
- **Combination:** It is recommended to drink plenty of Rooibos tea at the same time.

### **Safety and side effects of Anti-Gout Peptide:**

- **Safety:** Anti-Gout Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Anti-Gout Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Anti-Gout Peptide:**

- **Strong effect of inhibiting uric acid formation:** Anti-Gout Peptide can inhibit the activity of xanthine oxidase, reduce the production of uric acid, and is one of the most effective drugs to inhibit uric acid formation at present.
- **Promote uric acid excretion:** Anti-Gout Peptide can promote uric acid to dissolve in the blood and be excreted from the body through the kidneys.
- **Quickly reduce pain:** Anti-Gout Peptide can inhibit the activity of immune cells, reduce inflammatory response, and quickly relieve gout pain.
- **High safety:** Anti-Gout Peptide is a natural bioactive substance with high safety.

### **Future development of Anti-Gout Peptide:**

Anti-Gout Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food and medicine.

### **Additional Information:**

- **Uric acid:** Uric acid is a waste product of purine metabolism. High levels of uric acid in the blood can lead to gout.
- **Xanthine oxidase:** Xanthine oxidase is an enzyme that catalyzes the





oxidation of hypoxanthine to xanthine, and xanthine to uric acid.

- **Gout:** Gout is a type of inflammatory arthritis that is caused by high levels of uric acid in the blood.



## ➤ **Amylase Inhibitor Peptide**

Amylase Inhibitor Peptide is a bioactive peptide that can inhibit the activity of amylase and disaccharidase. It has the effects of inhibiting starch decomposition, delaying blood sugar rise, and suppressing obesity.



### **Functions of Amylase Inhibitor Peptide:**

- **Inhibit starch decomposition:** Amylase Inhibitor Peptide can inhibit the activity of amylase, reduce the decomposition of starch, and lower postprandial blood sugar rise.
- **Delay blood sugar rise:** Amylase Inhibitor Peptide can delay the absorption of glucose, making blood sugar rise more slowly.
- **Suppress obesity:** Amylase Inhibitor Peptide can reduce the absorption of sugar, help control weight.

### **Applications of Amylase Inhibitor Peptide:**

- **Food:** Amylase Inhibitor Peptide can be used as a food additive, added to health food, functional beverages and other products to lower blood sugar, suppress obesity, etc.
- **Medicine:** Amylase Inhibitor Peptide can be used to treat diabetes.

### **How to use Amylase Inhibitor Peptide:**

- **Food:** The usual dosage of Amylase Inhibitor Peptide is 2-5 grams per day, and it is recommended to take it before meals.
- **Medicine:** The specific dosage of Amylase Inhibitor Peptide should follow the doctor's advice.

### **Safety and side effects of Amylase Inhibitor Peptide:**

- **Safety:** Amylase Inhibitor Peptide is a natural bioactive substance with

high safety.

- **Side effects:** The side effects of Amylase Inhibitor Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Amylase Inhibitor Peptide:**

- **Strong effect of inhibiting starch decomposition:** Amylase Inhibitor Peptide can effectively inhibit the activity of amylase, reduce the decomposition of starch, and lower postprandial blood sugar rise.
- **Delay blood sugar rise:** Amylase Inhibitor Peptide can delay the absorption of glucose, making blood sugar rise more slowly.
- **Suppress obesity:** Amylase Inhibitor Peptide can reduce the absorption of sugar, help control weight.
- **High safety:** Amylase Inhibitor Peptide is a natural bioactive substance with high safety.

### **Future development of Amylase Inhibitor Peptide:**

Amylase Inhibitor Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food and medicine.

### **Additional Information:**

- **Amylase:** Amylase is an enzyme that catalyzes the hydrolysis of starch to produce glucose.
- **Disaccharidase:** Disaccharidase is an enzyme that catalyzes the hydrolysis of disaccharides to produce monosaccharides.
- **Diabetes:** Diabetes is a metabolic disease characterized by high blood sugar levels.



## ➤ Antihypertensive Peptide

Antihypertensive Peptide is a bioactive peptide that can inhibit the activity of angiotensin-converting enzyme (ACE). It has the effect of lowering blood pressure.

### Functions of Antihypertensive Peptide:

- **Lower blood pressure:** Antihypertensive Peptide inhibits the activity of ACE, which in turn lowers blood pressure.

### Applications of Antihypertensive Peptide:

- **Food:** Antihypertensive Peptide can be used as a food additive, added to health food, functional beverages and other products to lower blood pressure, prevent cardiovascular diseases, etc.
- **Medicine:** Antihypertensive Peptide can be used to treat hypertension.

### How to use Antihypertensive Peptide:

- **Food:** The usual dosage of Antihypertensive Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Antihypertensive Peptide should follow the doctor's advice.

### Safety and side effects of Antihypertensive Peptide:

- **Safety:** Antihypertensive Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Antihypertensive Peptide are still unclear, but it is generally believed that its side effects are small.

### Advantages of Antihypertensive Peptide:



- **Strong effect of lowering blood pressure:** Antihypertensive Peptide can effectively inhibit the activity of ACE, which in turn lowers blood pressure.
- **High safety:** Antihypertensive Peptide is a natural bioactive substance with high safety.



### **Future development of Antihypertensive Peptide:**

Antihypertensive Peptide is a bioactive substance with broad application prospects. In the future, it will be more widely used in food and medicine.

### **Additional Information:**

- **Angiotensin-converting enzyme (ACE):** ACE is an enzyme that catalyzes the conversion of angiotensin I to angiotensin II. Angiotensin II is a potent vasoconstrictor, which means that it causes blood vessels to narrow. This can lead to high blood pressure.

## ➤ Peptide Resveratrol Natto

Peptide Resveratrol Natto is a food made from red wine, onion and natto extracts. It has the effects of anti-oxidation, preventing cardiovascular diseases and improving blood circulation.



### Functions of Peptide Resveratrol Natto:

- **Anti-oxidation:** Peptide Resveratrol Natto is rich in resveratrol, which is a powerful antioxidant that can scavenge free radicals and protect cells from damage.
- **Prevent cardiovascular diseases:** Peptide Resveratrol Natto can help lower blood pressure, blood lipids and blood sugar, and prevent cardiovascular diseases such as heart disease and stroke.
- **Improve blood circulation:** Peptide Resveratrol Natto can help improve blood circulation and prevent thrombosis.

### Applications of Peptide Resveratrol Natto:

- **Food:** Peptide Resveratrol Natto can be used as a food additive, added to health food, functional beverages and other products to prevent cardiovascular diseases, improve blood circulation, etc.
- **Medicine:** Peptide Resveratrol Natto can be used to treat cardiovascular diseases.

### How to use Peptide Resveratrol Natto:

- **Food:** The usual dosage of Peptide Resveratrol Natto is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Peptide Resveratrol Natto should follow the doctor's advice.

### Safety and side effects of Peptide Resveratrol Natto:

- **Safety:** Peptide Resveratrol Natto is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Peptide Resveratrol Natto are still unclear, but it is generally believed that its side effects are small.



### **Advantages of Peptide Resveratrol Natto:**

- **Strong anti-oxidation effect:** Peptide Resveratrol Natto is rich in resveratrol, which is a powerful antioxidant that can scavenge free radicals and protect cells from damage.
- **Prevent cardiovascular diseases:** Peptide Resveratrol Natto can help lower blood pressure, blood lipids and blood sugar, and prevent cardiovascular diseases such as heart disease and stroke.
- **Improve blood circulation:** Peptide Resveratrol Natto can help improve blood circulation and prevent thrombosis.
- **High safety:** Peptide Resveratrol Natto is a natural bioactive substance with high safety.

### **Additional Information:**

- **Resveratrol:** Resveratrol is a polyphenol compound found in red wine, grapes, and peanuts. It has a variety of pharmacological effects, including anti-oxidation, anti-inflammation, and anti-cancer.
- **Natto:** Natto is a fermented soybean food that is popular in Japan. It is rich in protein, dietary fiber, and vitamins.

## ➤ Good Sleep Peptide

Good Sleep Peptide is a bioactive peptide composed of 16 peptides. It has the effects of improving sleep quality, regulating physiological functions, and enhancing immunity.



### Functions of Good Sleep Peptide:

- **Improve sleep quality:** Good Sleep Peptide can help shorten sleep latency, improve sleep quality, reduce the number of nocturnal awakenings, and prolong sleep time.
- **Regulate physiological functions:** Good Sleep Peptide can help regulate body temperature, lower blood pressure, and relieve stress.
- **Enhance immunity:** Good Sleep Peptide can help enhance immunity and fight inflammation.

### Applications of Good Sleep Peptide:

- **Food:** Good Sleep Peptide can be used as a food additive, added to health food, functional beverages and other products to improve sleep quality, regulate physiological functions, enhance immunity, etc.
- **Medicine:** Good Sleep Peptide can be used to treat insomnia.

### How to use Good Sleep Peptide:

- **Food:** The usual dosage of Good Sleep Peptide is 2-5 grams per day, and it is recommended to take it with three meals and before bedtime.
- **Medicine:** The specific dosage of Good Sleep Peptide should follow the doctor's advice.

### Safety and side effects of Good Sleep Peptide:

- **Safety:** Good Sleep Peptide is a natural bioactive substance with high



safety.

- **Side effects:** The side effects of Good Sleep Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Good Sleep Peptide:**

- **Strong effect of improving sleep quality:** Good Sleep Peptide can help shorten sleep latency, improve sleep quality, reduce the number of nocturnal awakenings, and prolong sleep time.
- **Regulate physiological functions:** Good Sleep Peptide can help regulate body temperature, lower blood pressure, and relieve stress.
- **Enhance immunity:** Good Sleep Peptide can help enhance immunity and fight inflammation.
- **High safety:** Good Sleep Peptide is a natural bioactive substance with high safety.

### **Additional Information:**

- **Sleep quality:** Sleep quality is a subjective feeling of the quality of sleep. It is usually measured by the following indicators: sleep latency, sleep efficiency, total sleep time, number of nocturnal awakenings, and sleep quality.
- **Physiological functions:** Physiological functions refer to the normal functions of the body, such as body temperature, blood pressure, and heart rate.
- **Immunity:** Immunity refers to the body's ability to resist disease.



## ➤ Recovery Peptide

Recovery Peptide is a bioactive peptide composed of six antifibrotic peptides. It has the effects of inhibiting fibrosis and repairing damaged internal organs.

### Functions of Recovery Peptide:

- **Inhibit fibrosis:** Recovery Peptide can inhibit the activity of cytokine TGF $\beta$  and block the fibrosis process.
- **Repair damaged tissues:** Recovery Peptide can promote the secretion of collagenase and peptidase, decompose denatured proteins, and make fibrotic cells return to their original functional cells.

### Applications of Recovery Peptide:

- **Food:** Recovery Peptide can be used as a food additive, added to health food, functional beverages and other products to inhibit fibrosis, repair damaged tissues, etc.
- **Medicine:** Recovery Peptide can be used to treat fibrotic diseases, such as idiopathic fibrosis, liver cirrhosis, and kidney disease.

### How to use Recovery Peptide:

- **Food:** The usual dosage of Recovery Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Recovery Peptide should follow the doctor's advice.

### Safety and side effects of Recovery Peptide:

- **Safety:** Recovery Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Recovery Peptide are still unclear, but



it is generally believed that its side effects are small.

### **Advantages of Recovery Peptide:**

- **Strong effect of inhibiting fibrosis:** Recovery Peptide can effectively inhibit the activity of cytokine TGF $\beta$  and block the fibrosis process.
- **Repair damaged tissues:** Recovery Peptide can promote the secretion of collagenase and peptidase, decompose denatured proteins, and make fibrotic cells return to their original functional cells.
- **High safety:** Recovery Peptide is a natural bioactive substance with high safety.

### **Additional Information:**

- **Fibrosis:** Fibrosis is a pathological process in which normal tissues are replaced by fibrous connective tissue, resulting in organ dysfunction.
- **TGF $\beta$ :** TGF $\beta$  is a cytokine that plays an important role in fibrosis. It can promote the proliferation of fibroblasts and the production of extracellular matrix proteins, leading to fibrosis.
- **Collagenase:** Collagenase is an enzyme that can degrade collagen.
- **Peptidase:** Peptidase is an enzyme that can degrade peptides.



## ➤ **Fat Reduction Peptide**

Fat Reduction Peptide is a bioactive peptide composed of seven peptides. It has the effects of promoting fat decomposition, reducing fat cells, controlling appetite, and regulating blood sugar.



### **Functions of Fat Reduction Peptide:**

- **Promote fat decomposition:** Fat Reduction Peptide can promote the decomposition and metabolism of white fat cells, reducing fat accumulation.
- **Reduce fat cells:** Fat Reduction Peptide can promote the apoptosis of white fat cells, reducing the number of fat cells.
- **Control appetite:** Fat Reduction Peptide can suppress appetite and reduce food intake.
- **Regulate blood sugar:** Fat Reduction Peptide can improve insulin sensitivity and regulate blood sugar levels.

### **Applications of Fat Reduction Peptide:**

- **Food:** Fat Reduction Peptide can be used as a food additive, added to health food, functional beverages and other products for weight loss and body shaping.
- **Medicine:** Fat Reduction Peptide can be used to treat obesity.

### **How to use Fat Reduction Peptide:**

- **Food:** The usual dosage of Fat Reduction Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Fat Reduction Peptide should follow the doctor's advice.

### **Safety and side effects of Fat Reduction Peptide:**

- **Safety:** Fat Reduction Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Fat Reduction Peptide are still unclear, but it is generally believed that its side effects are small.

#### **Advantages of Fat Reduction Peptide:**

- **Strong weight loss effect:** Fat Reduction Peptide can promote fat decomposition and reduce fat cells, helping to lose weight quickly.
- **Control appetite:** Fat Reduction Peptide can suppress appetite and help reduce food intake.
- **Regulate blood sugar:** Fat Reduction Peptide can improve insulin sensitivity and regulate blood sugar levels.
- **High safety:** Fat Reduction Peptide is a natural bioactive substance with high safety.

#### **Additional Information:**

- **Obesity:** Obesity is a chronic disease characterized by excessive body fat. It is a major risk factor for a number of chronic diseases, including heart disease, stroke, type 2 diabetes, and some types of cancer.
- **Insulin sensitivity:** Insulin sensitivity is the ability of cells to respond to the hormone insulin. Insulin helps cells to take up glucose from the blood. When cells are insulin resistant, they do not take up glucose as easily, which can lead to high blood sugar levels.



## ➤ Mood Peptide

Mood Peptide is a bioactive peptide composed of seven peptides. It has the effects of regulating emotions and enhancing happiness.

### Functions of Mood Peptide

- **Regulate emotions:** Mood Peptide can regulate the levels of multiple neurotransmitters, helping to improve emotions and relieve negative emotions such as stress, anxiety, and depression.
- **Enhance happiness:** Mood Peptide can promote the secretion of neurotransmitters such as dopamine and endorphins, making people feel happy and blissful.

### Applications of Mood Peptide

- **Food:** Mood Peptide can be used as a food additive, added to health food, functional beverages and other products to regulate emotions and enhance happiness.
- **Medicine:** Mood Peptide can be used to treat emotional disorders such as depression and anxiety.

### How to use Mood Peptide

- **Food:** The usual dosage of Mood Peptide is 2-5 grams per day, which can be taken with meals.
- **Medicine:** The specific dosage of Mood Peptide should follow the doctor's advice.

### Safety and side effects of Mood Peptide

- **Safety:** Mood Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Mood Peptide are still unclear, but it is



generally believed that its side effects are small.

### **Advantages of Mood Peptide**

- **Strong effect of regulating emotions:** Mood Peptide can regulate the levels of multiple neurotransmitters, helping to improve emotions and relieve negative emotions such as stress, anxiety, and depression.
- **Enhance happiness:** Mood Peptide can promote the secretion of neurotransmitters such as dopamine and endorphins, making people feel happy and blissful.
- **High safety:** Mood Peptide is a natural bioactive substance with high safety.

### **Additional Information**

- **Neurotransmitters:** Neurotransmitters are chemical messengers that transmit signals between neurons in the brain and nervous system. They play an important role in regulating emotions, mood, and behavior.
- **Dopamine:** Dopamine is a neurotransmitter that plays a role in motivation, reward, and learning. It is also associated with feelings of pleasure and happiness.
- **Endorphins:** Endorphins are a group of hormones that are produced by the pituitary gland and hypothalamus. They have pain-relieving and mood-boosting effects.



## ➤ Growth Peptide

Growth Peptide is a bioactive peptide composed of 17 peptides. It has the effects of promoting animal growth, increasing muscle mass, and improving meat quality.



### Functions of Growth Peptide

- **Promote animal growth:** Growth Peptide can inhibit somatostatin and myostatin, promote the secretion of growth hormone, help animals grow rapidly, and increase their size by 2-3 times.
- **Increase muscle mass:** Growth Peptide can promote the synthesis of muscle protein, help animals increase muscle mass, and increase muscle mass by 8-10 times.
- **Improve meat quality:** Growth Peptide can promote the rapid growth of adipose tissue and infiltrate lean meat tissue to form marbled meat.

### Applications of Growth Peptide

- **Animal husbandry:** Growth Peptide can be used as a feed additive to help animals grow rapidly, increase muscle mass, and improve meat quality.
- **Aquaculture:** Growth Peptide can be used as an aquatic feed additive to help fish, shrimp, and shellfish grow rapidly.
- **Poultry farming:** Growth Peptide can be used as a poultry feed additive to help laying hens produce more and larger eggs.

### How to use Growth Peptide

- Growth Peptide is a feed additive and is not recommended for human consumption.
- Growth Peptide should be used from a young age, once in the morning



and once in the evening.

- Add one gram for large animals and a small amount for small animals.
- Animals will grow faster during the period of eating Growth Peptide, and will return to normal growth after stopping eating Growth Peptide.
- It is recommended to stop using Growth Peptide three days before slaughtering animals to avoid the residue of Peptide in the meat.

### **Safety and side effects of Growth Peptide**

- **Safety:** Growth Peptide is a natural bioactive substance with high safety.
- **Side effects:** The side effects of Growth Peptide are still unclear, but it is generally believed that its side effects are small.

### **Advantages of Growth Peptide**

- **Strong effect of promoting animal growth:** Growth Peptide can help animals grow rapidly, and their size can be increased by 2-3 times.
- **Increase muscle mass:** Growth Peptide can help animals increase muscle mass, and muscle mass can be increased by 8-10 times.
- **Improve meat quality:** Growth Peptide can promote the rapid growth of adipose tissue and infiltrate lean meat tissue to form marbled meat.
- **High safety:** Growth Peptide is a natural bioactive substance with high safety.

### **Additional Information**

- **Somatostatin:** Somatostatin is a hormone that inhibits the secretion of growth hormone.
- **Myostatin:** Myostatin is a protein that inhibits muscle growth.
- **Marbled meat:** Marbled meat is meat with a fine, even distribution of fat throughout the lean meat. It is considered to be of high quality and



has a good flavor.



