



Plant Extracts

VASTNESS BIOTECH CO.,LTD





Description

One of the most important nutritional discoveries of modern time is a substance called Resveratrol. Research found that resveratrol was the most powerful antioxidant ever found.

It has two sources as follows:

- From the grape skin: The content is low from this source.
- From *Polygonum cuspidatum*, a Chinese traditional herbal medicine: high content of resveratrol.

Functions

1. Antibacterial, antithrombotic, antiinflammatory and antianaphylaxis;
2. Prevent cancer from happening and developing, have estrogen action, have obvious prophylaxis actions, especially tumor which depend on hormone, such as breast carcinoma, carcinoma of prostate, endometrial cancer, ovarian cancer, etc;
3. Antioxidation, delaying aging, preventing osteoporosis, acne(whelk) and dementia in the elderly;
4. Lowering cholesterin and the blood viscosity, reducing the risk of arteriosclerosis, cardio-cerebrovascular disease and heart disease.

Application

Healthcare Food, Cosmetics, Pharmaceutical Products

Product information

Cas No.:501-36-0

Chemical Formula: C₁₄H₁₂O₃

Molecular Weight:228.243

Plant source: *Polygonum Cuspidatum* Sieb. et Zucc





Elderberry Extract Powder

Description

Elderberry extract refers to the active ingredient extracted from the elderberry (scientific name: Sambucus) plant. Elderberry is a common plant whose flowers and berries are widely used for medicinal and food purposes.

Elderberry extract is rich in a variety of active ingredients, including vitamins (such as vitamin C, vitamin A, vitamin B6, and vitamin E), antioxidants, vegetable tannins, and polyphenolic compounds. These ingredients give elderberry extract various benefits and pharmacological effects.

Functions

1. Boosts immunity: It stimulates the activity of immune cells and promotes white blood cell production and function, which improves the body's ability to fight infection and disease.
2. Anti-inflammatory effect: Echinacea extract has anti-inflammatory properties that reduce inflammatory reactions and discomfort caused by inflammation.
3. Antioxidant properties: Echinacea purpurea extract is rich in antioxidant substances, such as polyphenolic compounds and flavonoids, which have antioxidant effects.
4. Supports Respiratory Health: It can relieve symptoms such as colds, coughs, and nasal congestion, reduce airway inflammation, and promote recovery.
5. Antiviral effects: Studies have shown that elderberry extract may have antiviral activity against a variety of viruses, including influenza viruses and certain respiratory viruses.
6. Anti-Aging And Skin Health: The antioxidant properties of elderberry extract help fight free radical damage and slow down the aging process. Additionally, it is used in skin care products to promote moisturizing, nourishing and soothing effects on the skin.

Application

Healthcare Food, Cosmetics, Pharmaceutical Products





Description

Panax ginseng, used medicinally for thousands of years in China, Korea, and Japan, is well known as an adaptogen and a restorative tonic that is widely used in traditional Chinese medicine. Ginseng extract is extracted and refined from the stems, leaves and roots of Acanthaceae plant ginseng. It is powdered and mainly contains 18 kinds of ginseng monomeric saponins, soluble in water and easily soluble in ethanol.

Functions

- **Boosts immunity:** It stimulates the activity of immune cells and promotes white blood cell production and function, which improves the body's ability to fight infection and disease.
- **Improves cognitive function:** Ginseng extract is thought to be beneficial for improving cognitive function and improving concentration.
- **Increases stamina and stamina:** Ginseng extract is widely used to improve stamina and stamina. It increases energy levels, improves stamina and stamina of the body, promotes health and vitality of the body.
- **Anti-Fatigue and Anti-Stress:** Ginseng extract is used as a natural tonic against fatigue and stress. .
- **Promotes cardiovascular health**
- **Antioxidant and anti-inflammatory effects:** Ginseng extract is rich in antioxidant substances, such as ginsenosides and polyphenolic compounds, which have antioxidant and anti-inflammatory effects

Application

Healthcare Food, Cosmetics, Pharmaceutical Products

Product information

Plant source : Panax ginseng C.A. Mey

Used part: Leaf&Stem

Extract Solvent: Water & Ethanol

Specification: Ginsenosides 80% HPLC/UV-VIS





Echinacea Purpurea Extract

Description

Echinacea extract is a natural plant extract obtained from the Echinacea purpurea plant. It usually comes in liquid or powder form. It is rich in active ingredients, including polysaccharides, phenolic compounds, acid compounds, flavonoids and volatile oils.

Functions

- **Boosts immunity:** It stimulates the activity of immune cells and promotes white blood cell production and function, which improves the body's ability to fight infection and disease.
- **Anti-inflammatory effect:** Echinacea extract has anti-inflammatory properties that reduce inflammatory reactions and discomfort caused by inflammation.
- **Antioxidant properties:** Echinacea purpurea extract is rich in antioxidant substances, such as polyphenolic compounds and flavonoids, which have antioxidant effects.
- **Supports Respiratory Health:** It can relieve symptoms such as colds, coughs, and nasal congestion, reduce airway inflammation, and promote recovery. .
- **Promotes wound healing:** It increases collagen synthesis, promotes cell regeneration and tissue repair, aids in the wound healing and repair process.

Application

Healthcare Food, Cosmetics, Pharmaceutical Products

Product information

Plant source: Echinacea Purpurea L.

Used part: Whole herb

Extract Solvent: Ethanol & Water

Specification: Polyphenols 4% UV





Marigold Extract

Description

Marigold extract, also known as "phytolutein", is an annual herb. Lutein and zeaxanthin are the main active components of *Tagetes erecta*. Both of them are enriched in the Macula area of the retina and form the macular pigment. Since the human body cannot synthesize Lutein and zeaxanthin, it must be taken from the diet. *Tagetes erecta* extract provides the human body with natural Lutein and zeaxanthin supplements. At the same time, it is also an excellent colorant.

Lutein and zeaxanthin have strong antioxidant capacity, which can inhibit the activity of oxygen free radicals and prevent the damage of oxygen free radicals to normal cells.

Functions

- **Antioxidant effect:** Marigold extract is rich in polyphenolic compounds and other antioxidant substances, which can neutralize free radicals, reduce the damage of oxidative stress to the body, and delay the aging process of cells.
- **Anti-inflammatory effect:** Marigold extract is considered to have certain anti-inflammatory effect, which can reduce the inflammatory response, inhibit the release of inflammatory mediators, and help relieve the symptoms of inflammation-related diseases.
- **Antibacterial and antiviral effects:** Marigold extract has certain antibacterial and antiviral activities, which can resist the growth and replication of certain bacteria and viruses.
- **Skin care and beauty:** Marigold extract is widely used in skin care products for its moisturizing, soothing and antioxidant properties, helping to improve skin condition and reduce the appearance of fine lines and wrinkles.

Application

Healthcare Food, Cosmetics, Pharmaceutical Products

Product information

Plant source : *Tagetes erecta* L.

Used part: Flower(100% Natural)





Description

Ganoderma lucidum extract is the ripe fresh fruiting body collected at the right time, which is made by hot water extraction (or alcohol extraction), vacuum concentration, spray drying and other processes after drying. It is the further enrichment and purification of Ganoderma lucidum powder. The main components are Ganoderma lucidum triterpenoids and polysaccharides.

Functions

- **Immunomodulation:** Enhance the function of the immune system, promote the activity of immune cells, and improve the body's resistance to external pathogens. Antioxidant effect: neutralize free radicals, reduce oxidative stress damage to the body, and delay cell aging.
- **Anti-inflammatory effect:** reduce the inflammatory response, inhibit the release of inflammatory mediators, and help relieve the symptoms of inflammation-related diseases.
- **Liver protection:** help protect the liver from damage, and promote the repair and regeneration of liver cells.
- **Anti-tumor effect:** inhibit the proliferation and metastasis of tumor cells through various mechanisms, and promote apoptosis (cell self-death).
- **Blood lipid-lowering effect:** lower blood lipid levels, reduce blood cholesterol and triglyceride content.

Application

Healthcare Food, Cosmetics, Pharmaceutical Products

Product information

Plant source: Ganoderma Lucidum(Leyss ex Fr.)Karst

Used Part: Mushroom

Specification: 30% Polysaccharide/2% Polysaccharide/4:1





Please reach out to us if you need any product of Collagen Peptide Series

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