

Product Name	CAS Number	Type	Functions Overview
Reduced β -Nicotinamide adenine dinucleotide (NADH)	606-68-8	Antioxidants & Anti-Aging	Reduced β -Nicotinamide adenine dinucleotide (NADH) boosts cellular energy production by aiding ATP synthesis, supports cognitive function, enhances mental clarity, reduces fatigue, and acts as a powerful antioxidant to protect cells from oxidative stress. It also promotes healthy aging by supporting mitochondrial function.
NMN (β -nicotinamide mononucleotide)	1094-61-7	Antioxidants & Anti-Aging	Anti-aging, improving metabolic function, improving cardiovascular and cerebrovascular, protecting nerves, DHA repair anti-aging, anti-oxidation, DHA repair
β -Nicotinamide adenine dinucleotide (NAD+)	53-84-9	Antioxidants & Anti-Aging	β -Nicotinamide adenine dinucleotide (NAD+) supports cellular energy production by facilitating ATP synthesis, regulates metabolic pathways, and promotes DNA repair. It also activates enzymes like sirtuins, involved in aging and gene expression, and enhances cellular defense against oxidative stress, playing a critical role in longevity and health.
Reduced NMN (NMNH)	4229-56-5	Antioxidants & Anti-Aging	Reduced NMN (NMNH) boosts NADH levels, enhancing cellular energy production, mitochondrial function, and antioxidant defense. It may provide superior effects in slowing aging, supporting metabolic health, and protecting neurons, making it a promising candidate for anti-aging and neuroprotective therapies.
Coenzyme Q10	303-98-0	Antioxidants & Anti-Aging	Anti-aging, anti-oxidation, heart protection, nerve protection, immune regulation, tumor treatment assistance
Reduced coenzyme Q10	992-78-9	Antioxidants & Anti-Aging	It is a cell metabolism respiration activator and immune enhancer, with antioxidant and free radical elimination properties.
Glutathione	70-18-8	Antioxidants & Anti-Aging	Whitening, anti-oxidation, detoxification, participation in metabolic reactions, maintenance of red blood cell health
Oxidized glutathione	27025-41-8	Antioxidants & Anti-Aging	It can activate the synthesis of collagen, improve the elasticity and firmness of the skin, and reduce the appearance of fine lines and wrinkles. It mainly has the effects of whitening, anti-oxidation, reducing pigmentation and delaying skin aging.
Lipoic acid	1077-28-7	Antioxidants & Anti-Aging	Lipoic acid has an antioxidant effect, which can remove oxygen free radicals, slow down the aging of the body, protect the liver, and reduce the incidence of cancer.
Ergothioneine	497-30-3	Antioxidants & Anti-Aging	Ergothioneine has the effect of antioxidants, which can neutralize free radicals and improve the body's antioxidant capacity. It can also moisturize at the same time to prevent dry skin.
Urolithin A	1143-70-0	Antioxidants & Anti-Aging	Participate in the synthesis and energy metabolism of amino acids, vitamins and organic acids, anti-oxidation, anti-aging, immune regulation and amino acid metabolism and other biological functions
Fisetin	528-48-3	Antioxidants & Anti-Aging	Fisetin can directly remove free radicals, enhance the level of glutathione, and may help regulate the production of many proteins. It has the effect of resisting human lung cancer cells, uterine cancer cells, human skin cancer cells, and human colon cancer cells.
Apigenin	520-36-5	Antioxidants & Anti-Aging	Apigenin has the effects of preventing muscle aging, anti-inflammatory, anti-proliferation, restoring mitochondria, improving muscle health, and anti-aging. It has broad application prospects in the fields of food supplements, cosmetics, medicine, and health products.
Spermidine trihydrochloride	334-50-9	Antioxidants & Anti-Aging	Spermidine trihydrochloride promotes autophagy, supports cellular renewal, and enhances cell growth and proliferation. It may improve cognitive function, boost cardiovascular health, and contribute to healthy aging by protecting cells from oxidative stress and inflammation. Additionally, it supports immune function and overall longevity.
Nicotinamide riboside chloride (NR-CL)	23111-00-4	Antioxidants & Anti-Aging	Nicotinamide riboside chloride (NR-CL) supports energy metabolism, enhances mitochondrial function, boosts NAD+ levels, promotes healthy aging, improves cognitive function, and supports cardiovascular health. It may also help reduce inflammation and protect against oxidative stress.
PQQ (Pyrroloquinoline Quinone Disodium Salt)	122628-50-6	Antioxidants & Anti-Aging	Anti-aging, anti-oxidation, immune enhancement, liver protection, energy metabolism and cell proliferation
α -lipoic acid	1077-28-7	Antioxidants & Anti-Aging	α -Lipoic acid (ALA) acts as a powerful antioxidant, reducing oxidative stress and inflammation. It supports nerve health, regulates blood sugar levels, improves insulin sensitivity, and helps in energy production. ALA also regenerates other antioxidants, such as vitamins C and E, and promotes healthy aging.
Resveratrol	501-36-0	Antioxidants & Anti-Aging	Anti-oxidation, anti-aging, cholesterol regulation, cancer cell inhibition, cardiovascular protection

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Trans-resveratrol	501-36-0	Antioxidants & Anti-Aging	Trans-resveratrol supports heart health, reduces inflammation, and offers antioxidant benefits. It may improve brain function, promote healthy aging, and aid in blood sugar regulation. Known for its role in cardiovascular protection, it also potentially enhances mitochondrial function and boosts skin health through cellular repair.
Betaine	107-43-7	Antioxidants & Anti-Aging	Betaine supports heart health by lowering homocysteine levels, aids liver function, and promotes cellular hydration. It enhances athletic performance by increasing muscle endurance and strength. Betaine also improves digestion by aiding in stomach acid production and supports fat metabolism, contributing to overall metabolic health.
Pterostilbene	537-42-8	Antioxidants & Anti-Aging	Pterostilbene improves heart health, reduces inflammation, and acts as a potent antioxidant. It helps regulate blood sugar, supports cognitive function, and may have anti-cancer properties. Additionally, it enhances cholesterol levels and protects cells from oxidative stress, contributing to overall health and longevity.
Glucoraphanin	21414-41-5	Anti-Cancer	It has a certain antioxidant capacity and can remove free radicals in the body, thereby delaying cell aging. Sulforaphane is one of the strongest activators of nrf2 found so far. It can activate 1rf2 to activate detoxification, anti-oxidation, and other cell protection effects.
Dihydroquercetin	480-18-2	Anti-Inflammatory	Prevent cancer, improve immunity, reduce swelling and diuresis, clear away heat and detoxify, prevent diseases caused by bacterial infection
Ginsenosides	Varies (e.g., Rb1: 41753-43-9)	Anti-Inflammatory	Immunity regulation, anti-fatigue, anti-aging, cardiovascular and cerebrovascular protection, antibacterial and anti-infective, immunity enhancement
Palmitoylethanolamide (PEA)	544-31-0	Anti-Inflammatory	Palmitoylethanolamide (PEA) reduces inflammation, relieves chronic pain, and supports the body's endocannabinoid system. It helps manage neuropathic pain, arthritis, and fibromyalgia. PEA also promotes neuroprotection, improves cellular repair, and may alleviate symptoms of conditions involving nerve damage and inflammation, contributing to overall pain relief and well-being.
L-5-methyltetrahydrofolate calcium (Super Folic Acid)	151533-22-1	Lifecycle Nutrition	It is a very important vitamin in the human body and also an active folic acid. Its main role in the human body is to participate in the metabolic process of amino acids such as methionine and methionine, promote the synthesis and repair of DNA, and support the normal function of the nervous system.
PS (phosphatidylserine)	51446-62-9	Brain Boost & Enhanced Sleep	Relieve fatigue, improve memory, improve immunity, assist in improving sleep quality, regulate blood lipids
GABA (Gamma-Aminobutyric Acid)	56-12-2	Brain Boost & Enhanced Sleep	Improve sleep, calm the mind, reduce blood ammonia
γ- Glutathione Cysteine (GGC)	636-58-8	Brain Boost & Enhanced Sleep	Cell protection, antioxidation, reduces inflammatory response, promotes immune system health.
L-Theanine	3081-61-6	Brain Boost & Enhanced Sleep	Antioxidation, improves sleep quality.
Squalene	7683-64-9	Brain Boost & Enhanced Sleep	Promotes blood circulation, antioxidation, boosts immunity, anti-inflammatory, lowers blood lipids, prevents cancer.
N-Acetylneuraminic acid	131-48-6	Brain Boost & Enhanced Sleep	Enhances memory, protects neurons, whitens skin, anti-aging.
L-3-Aminoisobutyric acid	4249-19-8	Sport Nutrition & Weight Loss	Promotes fat breakdown and browning.
Citrulline	372-75-8	Sport Nutrition & Weight Loss	Clears free radicals, stabilizes blood pressure, boosts immunity, reduces fatigue.
α-Ketoglutarate (AKG)	328-50-7	Sport Nutrition & Weight Loss	Relieve fatigue, improve memory, improve immunity, assist in improving sleep quality, regulate blood lipids
β-Alanine	64700-13-6	Sport Nutrition & Weight Loss	Delays muscle fatigue, calcium pantothenate.

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β-Hydroxybutyric Acid Calcium Salt (BHB-Ca)	51899-07-1	Sport Nutrition & Weight Loss	β-Hydroxybutyric Acid Calcium Salt (BHB-Ca) promotes energy and mental clarity by raising blood ketone levels. It supports fat metabolism, enhances endurance, and assists with weight management. The calcium component improves bone and muscle health, aiding hydration and muscle recovery, making it beneficial for both cognitive and physical performance.
β-Hydroxybutyric Acid Magnesium Salt (BHB-Mg)	163452-00-4	Sport Nutrition & Weight Loss	β-Hydroxybutyric Acid Magnesium Salt (BHB-Mg) supports ketosis, boosts energy, and enhances mental clarity and endurance. It aids in fat metabolism, promotes muscle recovery, and helps prevent cramps by providing magnesium. Known for its anti-inflammatory and neuroprotective effects, BHB-Mg is beneficial for cognitive and metabolic health.
β-Hydroxybutyric Acid Sodium Salt (BHB-Na)	150-83-4	Sport Nutrition & Weight Loss	β-Hydroxybutyric Acid Sodium Salt (BHB-Na) boosts energy levels, supports mental clarity, and enhances endurance by raising blood ketone levels. It promotes fat metabolism, helps control appetite, and assists in achieving ketosis, making it beneficial for weight management and cognitive support during low-carb or ketogenic diets.
Agmatine Sulfate	2482-00-0	Sport Nutrition & Weight Loss	Increases physical tolerance, accelerates post-exercise recovery.
Liposomal NAD+	53-84-9	Liposomal Series	Liposomal NAD+ enhances energy production, supports cellular repair, slows aging, and boosts brain function. Its liposomal delivery improves absorption, leading to more efficient cellular regeneration, better mitochondrial function, and improved metabolic health. This formulation also helps reduce fatigue and promotes overall vitality.
Liposomal NMN	1094-61-7	Liposomal Series	Liposomal NMN helps boost NAD+ levels in the body, which supports cellular energy production. It promotes healthy aging by enhancing DNA repair mechanisms and improving metabolic function and endurance. Additionally, it contributes to better cognitive health and neurological protection. The liposomal delivery system improves NMN's bioavailability, ensuring more effective absorption and utilization in the body.
Liposomal NR-CL	23111-00-4	Liposomal Series	Liposomal NR-CL boosts NAD+ levels, enhancing cellular energy production, promoting DNA repair, and supporting anti-aging processes. It improves mitochondrial function, brain health, and metabolic regulation. The liposomal delivery increases absorption, making it more effective at enhancing vitality, longevity, and overall well-being compared to standard NR supplements.
Liposomal PEA	544-31-0	Liposomal Series	Liposomal PEA reduces inflammation, alleviates chronic pain, and supports nerve health by interacting with the endocannabinoid system. Its liposomal delivery enhances absorption, making it more effective in managing conditions like arthritis, fibromyalgia, and neurodegenerative diseases. It also promotes neuroprotection and improves overall cellular health.
Liposomal calcium α-ketoglutarate	328-50-7	Liposomal Series	Liposomal Calcium α-Ketoglutarate improves energy production, supports bone health, enhances muscle function, and promotes anti-aging by reducing oxidative stress. Its liposomal delivery increases absorption, making it more effective in boosting cellular repair, maintaining bone density, and supporting overall metabolic health.
Liposomal trans-resveratrol	501-36-0	Liposomal Series	Liposomal trans-resveratrol supports heart health, reduces inflammation, promotes anti-aging by activating sirtuins, enhances brain function, and provides strong antioxidant protection. Its liposomal delivery improves absorption, maximizing its bioavailability and effectiveness in the body.
Liposomal coenzyme Q10	303-98-0	Liposomal Series	Liposomal Coenzyme Q10 boosts energy production, enhances heart health, supports cellular regeneration, and protects against oxidative stress. Its liposomal form improves absorption, delivering CoQ10 more effectively to cells for maximum benefit, making it particularly useful for improving cardiovascular and skin health.
Liposomal reduced glutathione	70-18-8	Liposomal Series	Liposomal reduced glutathione enhances detoxification, boosts immune function, and provides powerful antioxidant protection. It helps protect cells from oxidative damage, promotes healthy aging, and supports skin health. Additionally, it improves energy production, enhances brain function, and reduces inflammation, contributing to overall health and wellness.

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Liposomal curcumin	458-37-7	Liposomal Series	Liposomal curcumin provides enhanced absorption, reduces inflammation, and protects cells from oxidative stress. It supports joint and cardiovascular health, boosts the immune system, and promotes brain health. Its anti-inflammatory and antioxidant effects may also aid in slowing aging and reducing chronic disease risks.
Liposomal fisetin	528-48-3	Liposomal Series	Liposomal Fisetin enhances absorption, providing stronger antioxidant protection, reducing inflammation, and promoting the removal of senescent cells. It supports brain health, improves cognitive function, and has anti-aging effects by protecting cells from oxidative stress and promoting longevity. Its liposomal delivery maximizes these benefits.
Liposomal apigenin	520-36-5	Liposomal Series	Liposomal Apigenin enhances antioxidant protection, reduces inflammation, promotes relaxation by interacting with GABA receptors, and supports brain health. Its liposomal delivery improves absorption, making it more effective at reducing oxidative stress, supporting cognitive function, and potentially aiding in anti-cancer and anti-aging processes.
Liposomal silymarin	65666-07-1	Liposomal Series	Liposomal silymarin can help Enhances liver detoxification and protection. Supports antioxidant activity, reducing oxidative stress . Promotes liver cell regeneration and repair . Improves absorption and bioavailability of silymarin. Helps manage inflammation and supports overall liver health.
Liposomal betaine	107-43-7	Liposomal Series	Liposomal Betaine enhances liver detoxification, improves methylation, reduces homocysteine levels, and supports cardiovascular health. It boosts cellular hydration, aids in digestion, and improves muscle endurance. The liposomal delivery increases absorption, ensuring more effective utilization in the body for overall wellness and metabolic support.
Liposomal vitamin B complex	Varies (multiple)	Liposomal Series	Liposomal Vitamin B Complex enhances energy production, supports brain function, boosts red blood cell formation, and improves nerve and cardiovascular health. Its liposomal delivery increases absorption, making B vitamins like B12, B6, and folate more effective in promoting cellular metabolism, reducing fatigue, and supporting overall well-being.
Liposomal vitamin C	50-81-7	Liposomal Series	Liposomal vitamin C boosts immune health, provides antioxidant protection, and promotes collagen production for skin and joint support. It enhances energy by aiding iron absorption, reduces inflammation, and improves cellular absorption, making it more effective than traditional vitamin C in supporting overall health and well-being.
Liposomal vitamin D	67-97-0	Liposomal Series	Liposomal Vitamin D enhances bone health, boosts immune function, and improves calcium absorption. Its liposomal delivery increases bioavailability, ensuring more effective utilization in the body, supporting overall well-being, mood regulation, and protection against vitamin D deficiency. This formulation promotes stronger bones, a healthier immune system, and improved cellular health.
Liposomal spermidine trihydrochloride	334-50-9	Liposomal Series	Liposomal Spermidine Trihydrochloride promotes cellular renewal through enhanced autophagy, supports anti-aging, improves cognitive health, and boosts longevity. Its liposomal form improves absorption, ensuring more effective delivery to cells, maximizing its benefits in supporting cellular health and overall wellness.
Liposomal berberine hydrochloride	633-65-8	Liposomal Series	Liposomal Berberine Hydrochloride supports blood sugar regulation, enhances insulin sensitivity, promotes weight management, and improves cardiovascular health. Its liposomal delivery boosts absorption, making it more effective in managing metabolic health, reducing inflammation, and providing antioxidant protection for overall wellness.
3-Hydroxybutyric acid Glyceride		Beauty Skin Care & Dermatologic	Endogenous energy anti-aging, improves skin elasticity, moisturizes and rejuvenates.
DL-serine	302-84-1	Beauty Skin Care & Dermatologic	Locks in moisture, anti-light damage.
Citrulline	372-75-8	Beauty Skin Care & Dermatologic	Reduces dark circles, revitalizes hair follicles.

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Bosin	N/A	Beauty Skin Care & Dermatologic	It has the effects and functions of enhancing skin elasticity, moisturizing and anti-aging. It promotes collagen synthesis and enhances skin barrier function.
Glycyrrhetic acid 3-O- glucuronide glycoside	33999-15-6	Beauty Skin Care & Dermatologic	Soothes and anti-inflammatory, reduces redness and itching.
GlycerylGlucoside	22160-26-5	Beauty Skin Care & Dermatologic	Promotes aquaporin protein increase, increases skin elasticity.
Carnosine/Propanamide	305-84-0/ 57022-38-5	Beauty Skin Care & Dermatologic	Anti-aging, stimulates collagen synthesis, prevents skin glycation.
Hydroxyectoine	165542-15-4	Beauty Skin Care & Dermatologic	Eliminates neural oxidative stress response, antioxidation, super idebenone.
Sodium hyaluronate	9067-32-7	Beauty Skin Care & Dermatologic	Sodium hyaluronate is a kind of glucuronic acid, which has moisturizing and lubricating effects, and has the effect of improving immunity and repairing skin.
Ectoine	96702-03-3	Beauty Skin Care & Dermatologic	Moisturizes and soothes, resists external stimuli.
Acetyl Glucosamine	7512-17-6	Beauty Skin Care & Dermatologic	Brightens, soothes irritation, smooths skin, gently exfoliates.
Isotretinoin	4759-48-2	Beauty Skin Care & Dermatologic	It can inhibit the secretion of sebaceous glands, improve sebum keratinization, and improve the symptoms of pores blocked by hair beetle horn plugs.
Fish Collagen		Beauty Skin Care & Dermatologic	Fish collagen supports skin elasticity, joint health, and hydration, promoting anti-aging effects and improving overall skin appearance.
Bovine Collagen		Beauty Skin Care & Dermatologic	Bovine collagen improves joint health, skin elasticity, and bone strength, promoting anti-aging benefits and supporting muscle recovery.
Chicken Collagen		Beauty Skin Care & Dermatologic	Chicken collagen supports joint health, skin hydration, and elasticity, while promoting cartilage repair and reducing wrinkles for youthful skin.
Recombinant Human Collagen I		Beauty Skin Care & Dermatologic	Recombinant human collagen I promotes skin regeneration, improves wound healing, enhances elasticity, and supports joint health with minimal immune response.