Creative Enzymes®

L-Glutathione Reduced

Cat. No. CEFX-357

Lot. No. (See product label)

Introduction

Description

L-Glutathione Reduced is the sulfhydryl group of a tripeptide formed from glutamate, cysteine and glycine. It is an antioxidant that prevents damage to vital cellular components by reactive oxygen species such as free radicals and peroxides.

Applications

Food Applications Added to yogurt and infant food, it serves as a stabilizer comparable to vitamin C. Added to fish paste to prevent darkening of color. Incorporated into pasta, it enables manufacturers to reduce bread-making time to half or even a third, enhancing nutritional value and other functionalities in food. In foods such as meats and cheeses, it enhances flavor. Cosmetic Applications Glutathione can prevent the penetration of tyrosinase, thereby inhibiting melanin formation. It reduces wrinkles, increases skin elasticity, tightens pores, and lightens pigmentation, providing an excellent whitening effect for the skin. For decades, glutathione has been a popular key ingredient in cosmetics in Europe and the United States. Medical Applications For systemic or localized patients with hypoxemia-induced allergic or inflammatory responses, it reduces cellular damage and promotes repair. Protects the liver, detoxifies, deactivates hormones, and promotes bile acid metabolism, aiding in the digestion of fats and absorption of fat-soluble vitamins in the digestive tract. Radiation illness and radiation safety: Offers protective effects against radiation, radioactive substances, and symptoms caused by anti-cancer drugs due to reduced white blood cell count.

Product Information

Appearance

White Powder

Form

Powder

CAS No.

70-18-8

Molecular Formula

C10H17N3O6S

Purity

98.0% to101.0%

Function

Free Radical Scavenging: Glutathione not only directly participates in neutralizing free radicals but also modulates other antioxidants (such as vitamins C and E), thus enhancing overall antioxidant effects. This activity helps protect cells from oxidative stress, supporting normal cell function and health. Slowing Aging: By scavenging free radicals, glutathione reduces damage to cells, effectively slowing down aging. It helps protect skin cells, promotes cellular repair and regeneration, and contributes to maintaining a youthful skin appearance. Protecting Vital Organs: Glutathione plays a critical role in liver protection. As one of the body’s main detoxifying organs, the liver benefits from glutathione's antioxidant and detoxification effects, which reduce the liver's workload, promote cell regeneration and repair, and protect the liver from damage. Boosting Immunity: Glutathione activates lymphocytes, increases T and B cell proliferation, and raises intracellular glutathione levels, thereby strengthening immune system function. This enhancement improves the body’s resistance to viruses and bacteria, helping to prevent and treat infectious diseases.

Usage and Packaging

Package

25kg/drum, or according to customers' requirements

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Storage and Shipping Information

Storage	Keep in a cool and dry place.