

Ergothioneine □ EGT □



Cat. No. BDP-015

Lot. No. (See product label)

Product Name

Ergothioneine (EGT)

Cas No.

497-30-3

Appearance

White powder

Product Description

Ergothioneine is a naturally occurring amino acid, a thiourea derivative of histidine, containing a sulfur atom on the imidazole ring. This compound is found in a relatively small number of organisms, notably actinomycetes, cyanobacteria, and certain fungi.

In humans, ergothioneine is obtained exclusively through the diet and accumulates in red blood cells, bone marrow, liver, kidneys, semen, and eyes. Ergothioneine is sold as a dietary supplement.

Function

Antioxidant. Reduces oxidative stress, UV-induced skin damage and signs of aging.

Anti-aging. EGT helps maintain cellular health and vitality.

Whitening. Hinder pigment formation and deposition, thus brightening and whitening the skin.

Anti-radiation. EGT reduces the formation of reactive oxygen species and protects cells from radiation damage.

Anti-inflammatory. EGT acts as an anti-inflammatory in skin cells.

Purity (HPLC)

0.98

Formula

C₉H₁₅N₃O₂S

Application

Cosmetics. EGT is widely used in skin care products to protect the skin from environmental stressors and to maintain the youthfulness and health of the skin.

Food. EGT can be used as an ingredient in functional foods and functional beverages, with health effects such as cancer prevention.

Nutraceuticals. EGT can prevent cancer and is made into tablets, capsules, oral preparations and other products.

Storage

Store in cool place away from sunlight.

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