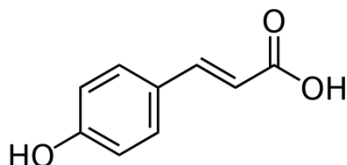


Technical Data Sheet

SinoWhite GSH

Glutathione
CAS# 70-18-8



Mol. wt. 307.3235
Formula $C_{10}H_{17}N_3O_6S$

Feature

- Anti-oxidant
- Anti-wrinkle

Description

SinoWhite GSH, a tripeptide of cysteine, glycine, and glutamate, is a primary antioxidant in the body and plays important roles in maintaining intracellular thiol status and in detoxification. It has a variety of physiological effects. Importantly, it inhibits melanogenesis by suppressing the activity of tyrosinase, and oral administration of GSH in humans reduces melanin production in the skin.

Specifications

Item	Specification
Appearance	White or almost white crystalline powder
Assay (%)	98.0 ~ 101.0
Total impurities (%)	Max. 2.0
L-glutathione oxidized (%)	Max. 1.5
Loss on drying (%)	Max. 0.5
Residue on ignition (%)	Max. 0.1
S.O.R (°)	-15.5 ~ -17.5
Infrared	Compare with the Reference Spectrum
Ammonium (ppm)	Max. 200
Chloride (ppm)	Max. 200
Sulfate (ppm)	Max. 300
Iron (ppm)	Max. 10
Heavy metal (ppm)	Max. 10
Arsenic (ppm)	Max. 2

Applications

SinoWhite GSH competitively inhibits melanin synthesis in the reaction of tyrosinase, so it can be used in skin whitening cosmetics, UV Protection cosmetics, anti-oxidant cosmetics and soap products.

Dosage

For anti-oxidant & whitening : 20~40 mg/kg

Storage

Keep container tightly closed in a dry and well-ventilated place.

Shelf life

2 years