

博瑞大健康科技（杭州）有限公司
BrightGene Health Technology Co., Ltd

Technical Data Sheet

L-Glutathione reduced

Product Information

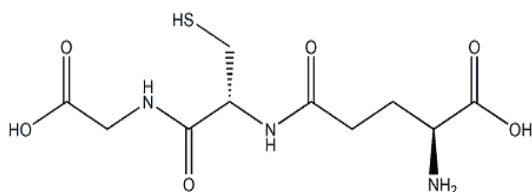
INCI: Glutathione

CAS no.: 70-18-8

Appearance: White or almost white
cystalline powder.

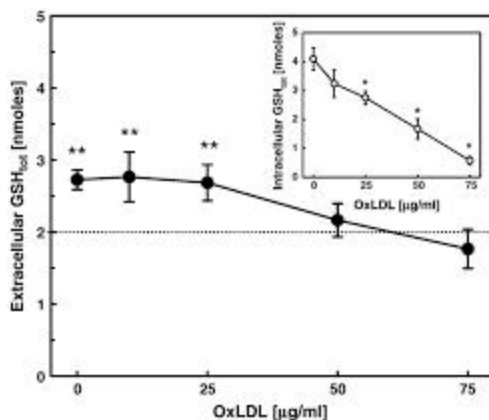
Purity: ≥98%

Chemical Structure:



In Vitro Efficacy Experiment

Role of glutathione reductase and glutaredoxin



The study examines how oxidized LDL (OxLDL) affects glutathione (GSH) levels in human macrophages. After 24 hours of incubation with OxLDL, both intracellular and extracellular GSH levels were measured. Results showed significant differences in GSH levels compared to controls (cells without OxLDL and culture medium without cells), indicating that OxLDL influences GSH efflux in macrophages.

Function

Antioxidant Protection

Neutralizes free radicals and reactive oxygen species (ROS), preventing oxidative stress that leads to skin aging and cellular damage.

Skin Brightening

Inhibits melanin production by blocking the action of the enzyme tyrosinase, helping to reduce hyperpigmentation, dark spots, and promote a more even skin tone.

Detoxification

Detoxifies the body by binding to toxins and heavy metals, facilitating their excretion. This detox action supports liver function and overall health.

Use

Skin Brightening Serums; Whitening Creams; Anti-Aging Creams; Facial Masks; Body Lotions; Sunscreens; Acne Treatment Products; Lipid-based Formulations (for skin repair)

Packing & Storage

Standard packaging: 1kg, 5kg, 25kg/package

Shelf life: 36 months

Storage conditions: Sealed and protected from light, stored at room temperature.

Recommended Dosage

0.5-2%

Contact information

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