ZXCHEM®

L-Glutathione （reduced）

Synonyms: Glutathione
Cas No: 70-18-8
MF: C10H17N3O6S
MW: 307.32

Specifications:

Item	Standards
Assay	98%-101%
Appearance	White crystalline powder
Identification	Similar with the reference spectrum
Loss on drying	≤ 0.5%
Relative substances	Total: 2.0% max
Optical rotation	-15.5- -17.5

Product Application:

- Liver protection and detoxification, food induction and growth, anti-stress, improve immunity, improve feed utilization and reduce breeding costs
- Antioxidation, scavenging free radicals, protecting liver and gallbladder, improving liver and gallbladder vitality
- Decompose and remove internal and external toxins, improve immunity
- Relieve the stress caused by environmental changes, refueling, vaccine injection, etc., improve the survival rate
- Promote the absorption of nutrients such as protein, fat and vitamins, improve feed utilization and reduce breeding costs

Product Description:

Glutathione (GSH) is an important member of cellular antioxidative system. In cancer cells, a high level of GSH is indispensable to scavenge excessive reactive oxygen species (ROS) and detoxify xenobiotics, which make it a potential target for cancer therapy. Plenty of studies have shown that loss of intracellular GSH makes cancer cells more susceptible to oxidative stress and chemotherapeutic agents. GSH depletion has been proved to improve the therapeutic efficacy of ROS-based therapy (photodynamic therapy, sonodynamic therapy, and chemodynamic therapy), ferroptosis, and chemotherapy.

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