

Glutathione Reductase, Wheat germ

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description

Glutathione Reductase, Wheat germ (EC 1.6.4.2), is an essential flavoprotein in the antioxidant defense system. The reduced glutathione (GSH) is used by glutathione peroxidase to detoxify hydrogen peroxide, during which it is oxidized to form oxidized glutathione (GSSG). The GSSG is then reduced back to GSH by glutathione reductase (GR) using NADPH, which is converted to NADP+ in the process. The regenerated GSH can continue detoxifying hydrogen peroxide. Glutathione Reductase utilizes FAD as a cofactor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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