

Glutathione Reductase, Spinach

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 a crucial flavoprotein in the antioxidant defense system. In this process, reduced glutathione (GSH) detoxifies hydrogen peroxide via glutathione peroxidase, becoming oxidized to form oxidized glutathione (GSSG). Glutathione Reductase (GR) then reduces GSSG back to GSH using NADPH, which is converted to NADP+. The regenerated GSH is available for further hydrogen peroxide detoxification. Glutathione Reductase utilizes FAD as a cofactor.
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