

# L-Glutathione, reduced

Product	Catalog No.	Package size
L-Glutathione, reduced	61033	25 g

## Product description

Glutathione is the major low molecular weight thiol compound of living plants or animal cells. Blood, brain concentrations and mouse tissue concentrations are reported in the literature as well as a review on reduced glutathione.

Glutathione activates lymphocytes, and it reverses inhibition of macromolecular synthesis in E. Coli by TLCK. Glutathione enhancement in mouse organs via treatment with glutathione esters, enzymatic determination of glutathione, glutathioneS-transferases catalyze s reaction of alkylating agents with glutathione, and the suppression of human immunodeficiency virus expression in chronically infected monocytic cells by glutathione, glutathione ester and N – acetylcysteine are well documented.

Parameter	Method	Specification	Result
Appearance		White powder	Corresponds
Assay (HPLC)		Min. 97%	99.6%
Spec. rotation ( $[\alpha]_D^{20}$ ):	2% in water	-16° - -19°	-16.3°
Soluble in:	5% in water	Clear, colourless solution	Corresponds
Solubility		Approx. 100 g/l (H <sub>2</sub> O)	Corresponds
Heavy Metals (as Pb)		Max. 0.0005%	Corresponds
Formula		C <sub>10</sub> H <sub>17</sub> N <sub>3</sub> O <sub>6</sub> S	
Molecular Weight		307.33 g/mol	
Cas #		70-18-8	

## Stability:

Shipment at ambient temperature, store at 4 °C

## Safety information

Safety Data: Non-hazardous

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDSs). These are available online as pdf-file or upon request ([contact@cube-biotech.com](mailto:contact@cube-biotech.com)).

For laboratory use only

We hereby guarantee, that this product was manufactured from plants, and that the raw material is not of animal origin.