Creative Enzymes®

glutathione-cystine transhydrogenase

Cat. No. EXWM-1672

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on a sulfur group of donors with a disulfide as acceptor. The systematic name of this enzyme class is glutathione:cystine oxidoreductase. Other names in common use include GSH-cystine transhydrogenase, and NADPH-dependent GSH-cystine transhydrogenase. This enzyme participates in cysteine metabolism and glutathione metabolism.
Synonyms	GSH-cystine transhydrogenase; NADPH-dependent GSH-cystine transhydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.8.4.4
CAS No.	37256-49-8
Reaction	2 glutathione + cystine = glutathione disulfide + 2 cysteine
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.