

thiosulfate-dithiol sulfurtransferase

Cat. No. EXWM-3363

Lot. No. (See product label)

Introduction

Description

The enzyme from *Chlorella* shows very little activity towards monothiols such as glutathione and cysteine (cf. EC 2.8.1.3 thiosulfate-thiolsulfurtransferase). The enzyme probably transfers the sulfur atom onto one thiol group to form -S-S-, and sulfide is spontaneously expelled from this by reaction with the other thiol group. May be identical with EC 2.8.1.1 thiosulfate sulfurtransferase.

Synonyms

thiosulfate reductase; TSR

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.8.1.5

CAS No.

9059-49-8

Reaction

thiosulfate + dithioerythritol = sulfite + 4,5-cis-dihydroxy-1,2-dithiacyclohexane (i.e. oxidized dithioerythritol) + sulfide

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.