

## enzyme-thiol transhydrogenase (glutathione-disulfide)

Cat. No. EXWM-1673

Lot. No. (See product label)

### Introduction

#### Description

Converts EC 1.17.1.4 xanthine dehydrogenase into EC 1.17.3.2 xanthine oxidase in the presence of glutathione disulfide; also reduces the disulfide bond of ricin. Not inhibited by Cu<sup>2+</sup> or thiol reagents.

#### Synonyms

[xanthine-dehydrogenase]:oxidized-glutathione S-oxidoreductase; enzyme-thiol transhydrogenase (oxidized-glutathione); glutathione-dependent thiol:disulfide oxidoreductase; thiol:disulphide oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.8.4.7

#### CAS No.

85030-79-1

#### Reaction

[xanthine dehydrogenase] + glutathione disulfide = [xanthine oxidase] + 2 glutathione

#### 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.