

## trypanothione-disulfide reductase

Cat. No. EXWM-1638

Lot. No. (See product label)

### Introduction

#### Description

Trypanothione disulfide is the oxidized form of N1,N8-bis(glutathionyl)-spermidine from the insect-parasitic trypanosomatid *Crithidia fasciculata*. The enzyme from *Crithidia fasciculata* is a flavoprotein (FAD), whose activity is dependent on a redox-active cystine at the active centre. (cf. EC 1.8.1.7, glutathione-disulfide reductase)

#### Synonyms

trypanothione reductase; NADPH2:trypanothione oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.8.1.12

#### CAS No.

102210-35-5

#### Reaction

trypanothione + NADP<sup>+</sup> = trypanothione disulfide + NADPH + H<sup>+</sup>

#### 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.