

## 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+ = trypanothione disulfide + NADPH + H+

**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.