

## pyrimidodiazepine synthase

Cat. No. EXWM-1555

Lot. No. (See product label)

### Introduction

#### Description

In the reverse direction, the reduction of 6-pyruvoyl-tetrahydropterin is accompanied by the opening of the 6-membered pyrazine ring and the formation of the 7-membered diazepine ring. The pyrimidodiazepine formed is an acetyldihydro derivative. Involved in the formation of the eye pigment drosopterin in *Drosophila melanogaster*.

#### Synonyms

PDA synthase; pyrimidodiazepine:oxidized-glutathione oxidoreductase (ring-opening, cyclizing); pyrimidodiazepine:glutathione-disulfide oxidoreductase (ring-opening, cyclizing)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.4.1

#### CAS No.

93586-06-2

#### Reaction

2-amino-6-acetyl-3,7,8,9-tetrahydro-3H-pyrimido[4,5-b][1,4]diazepin-4-one + glutathione disulfide + H<sub>2</sub>O = 6-pyruvoyltetrahydropterin + 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.