Creative Enzymes®

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 + H2O = 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.