

methenyltetrahydrofolate cyclohydrolase

Cat. No. EXWM-4577

Lot. No. (See product label)

Introduction

Description

In eukaryotes, the enzyme occurs as a trifunctional enzyme that also has methylenetetrahydrofolate dehydrogenase (NADP+) (EC 1.5.1.5) and formate-tetrahydrofolate ligase (EC 6.3.4.3) activity. In some prokaryotes, it occurs as a bifunctional enzyme that also has dehydrogenase (EC 1.5.1.5) activity or formimidoyltetrahydrofolate cyclodeaminase (EC 4.3.1.4) activity.

Synonyms

Citrovorum factor cyclodehydrase; cyclohydrolase; formyl-methenyl-methylenetetrahydrofolate synthetase (combined); 5,10-methenyltetrahydrofolate 5-hydrolase (decyclizing)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.4.9

CAS No.

9027-97-8

Reaction

5,10-methenyltetrahydrofolate + H₂O = 10-formyltetrahydrofolate

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.