

## 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 + H<sub>2</sub>O = 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.