

## methylenetetrahydromethanopterin dehydrogenase

Cat. No. EXWM-1564

Lot. No. (See product label)

### Introduction

#### Description

Coenzyme F420 is a 7,8-didemethyl-8-hydroxy-5-deazariboflavin derivative; methanopterin is a pterin analogue. The enzyme is involved in the formation of methane from CO<sub>2</sub> in the methanogen *Methanothermobacter thermautotrophicus*.

#### Synonyms

N<sup>5</sup>,N<sup>10</sup>-methylenetetrahydromethanopterin dehydrogenase; 5,10-methylenetetrahydromethanopterin dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.98.1

#### CAS No.

100357-01-5

#### Reaction

5,10-methylenetetrahydromethanopterin + oxidized coenzyme F420 = 5,10-methenyltetrahydromethanopterin + reduced coenzyme F420

#### 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.