

## 2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase

Cat. No. EXWM-5349

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from *Escherichia coli* requires  $Mg^{2+}$  or  $Mn^{2+}$ . Forms part of an alternative nonmevalonate pathway for terpenoid biosynthesis (for diagram, click [here](#)).

#### Synonyms

MECDP-synthase; 2-phospho-4-(cytidine 5'-diphospho)-2-C-methyl-D-erythritol CMP-lyase (cyclizing)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.6.1.12

#### CAS No.

287480-92-6

#### Reaction

2-phospho-4-(cytidine 5'-diphospho)-2-C-methyl-D-erythritol = 2-C-methyl-D-erythritol 2,4-cyclodiphosphate + CMP

#### 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.