

## 7,8-dihydroneopterin 2',3'-cyclic phosphate phosphodiesterase

Cat. No. EXWM-3739

Lot. No. (See product label)

### Introduction

#### Description

Contains one zinc atom and one iron atom per subunit of the dodecameric enzyme. It hydrolyses 7,8-dihydroneopterin 2',3'-cyclic phosphate, a step in tetrahydromethanopterin biosynthesis. In vitro the enzyme forms 7,8-dihydroneopterin 2'-phosphate and 7,8-dihydroneopterin 3'-phosphate at a ratio of 4:1.

#### Synonyms

MptB

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.1.4.56

#### Reaction

(1) 7,8-dihydroneopterin 2',3'-cyclic phosphate + H<sub>2</sub>O = 7,8-dihydroneopterin 3'-phosphate; (2) 7,8-dihydroneopterin 2',3'-cyclic phosphate + H<sub>2</sub>O = 7,8-dihydroneopterin 2'-phosphate

#### 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.