

## phylloquinone monooxygenase (2,3-epoxidizing)

Cat. No. EXWM-1038

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on paired donors, with O<sub>2</sub> as oxidant and incorporation or reduction of oxygen. The oxygen incorporated need not be derive from O miscellaneous. The systematic name of this enzyme class is phylloquinone,hydrogen-donor:oxygen oxidoreductase (2,3-epoxidizing). Other names in common use include phylloquinone epoxidase, vitamin K 2,3-epoxidase, vitamin K epoxidase, and vitamin K1 epoxidase.

#### Synonyms

phylloquinone epoxidase; vitamin K 2,3-epoxidase; vitamin K epoxidase; vitamin K1 epoxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.99.20

#### CAS No.

54596-37-1

#### Reaction

phylloquinone + AH<sub>2</sub> + O<sub>2</sub> = 2,3-epoxyphylloquinone + A + H<sub>2</sub>O

#### 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.