Creative Enzymes®

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 O2 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 + AH2 + O2 = 2,3-epoxyphylloquinone + A + H2O
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.