Creative Enzymes®

vitamin-K-epoxide reductase (warfarin-sensitive)

Cat. No. EXWM-1092

Lot. No. (See product label)

Introduction

Description	Vitamin K 2,3-epoxide is reduced to vitamin K and possibly to vitamin K hydroquinone by 1,4-dithiothreitol, which is oxidized to a disulfide; some other dithiols and 4-butanethiol can also act. Inhibited strongly by warfarin [cf. EC 1.17.4.5, vitamin-K-epoxide reductase (warfarin-insensitive)].

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.17.4.4
CAS No.	55963-40-1
Reaction	phylloquinone + oxidized dithiothreitol + H2O = 2,3-epoxy-2-methyl-3-phytyl-2,3-dihydro-1,4-naphthoquinone + 1,4-dithiothreitol
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 ℃.