

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.