Creative Enzymes®

phylloquinone ω-hydroxylase

Cat. No. EXWM-0794

Lot. No. (See product label)

Introduction

Description	A heme-thiolate protein (cytochrome P-450). Isolated from human tissue. The enzyme will also act on menaquinone-4. Prolonged action of CYP4F2, but not CYP4F11, on the ω hydroxyl group oxidizes it to the corresponding carboxylic acid. CYP4F2 also oxidizes leukotriene B4; see EC 1.14.13.30, leukotriene-B4 20-monooxygenase.
Synonyms	vitamin K1 ω-hydroxylase; CYP4F2; CYP4F11

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.194
Reaction	phylloquinone + NADPH + H+ + O2 = ω-hydroxyphylloquinone + NADP+ + 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 ℃.