Creative Enzymes®

hydroperoxy icosatetraenoate dehydratase

Cat. No. EXWM-4993

Lot. No. (See product label)

Introduction

Description	Binds Fe2+. The mammalian enzymes accept a range of hydroperoxyicosatetraenoates (HPETE). The human enzyme has highest activity with (12R)-HPETE, followed by (12S)-HPETE and (15R)-HPETE with much lower efficiency. The murine enzyme has highest activity with (8R)-HPETE followed by (8S)-HPETE. All HPETE isoforms are converted to the corresponding oxoicosatetraenoate forms (KETE). The enzymes also catalyse the reaction of EC 5.4.4.7, hydroperoxy icosatetraenoate isomerase.
Synonyms	epidermal lipoxygenase-3 (ambiguous); eLOX3 (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.152
Reaction	a hydroperoxyicosatetraenoate = an oxoicosatetraenoate + 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 ℃.