Creative Enzymes®

9,12-octadecadienoate 8-hydroperoxide 8S-isomerase

Cat. No. EXWM-5547

Lot. No. (See product label)

Introduction

Description	The enzyme contains heme. The bifunctional enzyme from Gaeumannomyces graminis catalyses the oxidation of linoleic acid to (8R,9Z,12Z)-8-hydroperoxyoctadeca-9,12-dienoate (cf. EC 1.13.11.60, linoleate 8R-lipoxygenase), which is then isomerized to (7S,8S,9Z,12Z)-5,8-dihydroxyoctadeca-9,12-dienoate.
Synonyms	8-hydroperoxide isomerase (ambiguous); (8R,9Z,12Z)-8-hydroperoxy-9,12-octadecadienoate mutase ((7S,8S,9Z,12Z)-7,8-dihydroxy-9,12-octadecadienoate-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.4.4.6
Reaction	(8R,9Z,12Z)-8-hydroperoxyoctadeca-9,12-dienoate = (7S,8S,9Z,12Z)-7,8-dihydroxyoctadeca-9,12-dienoate
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 ℃.