Creative Enzymes®

polyenoic fatty acid isomerase

Cat. No. EXWM-5493

Lot. No. (See product label)

Introduction

Description	The enzyme from the red alga Ptilota filicina catalyses the isomerization of skip dienes (methylene-interrupted double bonds) in a broad range of fatty acids and fatty-acid analogues, such as arachidonate and γ-linolenate, to yield a conjugated triene.
Synonyms	PFI; eicosapentaenoate cis-Δ5,8,11,14,17-eicosapentaenoate cis-Δ5-trans-Δ7,9-cis-Δ14,17 isomerase; (5Z,8Z,11Z,14Z,17Z)-eicosapentaenoate Δ8,11-Δ7,8-isomerase (incorrect); (5Z,8Z,11Z,14Z,17Z)-eicosapentaenoate Δ8,11-Δ7,9-isomerase (trans-double-bond-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.3.3.13
CAS No.	159002-84-3
Reaction	(5Z,8Z,11Z,14Z,17Z)-icosapentaenoate = (5Z,7E,9E,14Z,17Z)-icosapentaenoate
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 ℃.