

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- Δ 5,8,11,14,17-eicosapentaenoate cis- Δ 5-trans- Δ 7,9-cis- Δ 14,17 isomerase; (5Z,8Z,11Z,14Z,17Z)-eicosapentaenoate Δ 8,11- Δ 7,8-isomerase (incorrect); (5Z,8Z,11Z,14Z,17Z)-eicosapentaenoate Δ 8,11- Δ 7,9-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.