

## 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  $\gamma$ -linolenate, to yield a conjugated triene.

**Synonyms** PFI; eicosapentaenoate cis- $\Delta$ 5,8,11,14,17-eicosapentaenoate cis- $\Delta$ 5-trans- $\Delta$ 7,9-cis- $\Delta$ 14,17 isomerase; (5Z,8Z,11Z,14Z,17Z)-eicosapentaenoate  $\Delta$ 8,11- $\Delta$ 7,8-isomerase (incorrect); (5Z,8Z,11Z,14Z,17Z)-eicosapentaenoate  $\Delta$ 8,11- $\Delta$ 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.