

linoleoyl-lipid Δ 12 conjugase (11E,13Z-forming)

Cat. No. EXWM-0978

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the plants *Punica granatum* (pomegranate) and *Trichosanthes kirilowii* (Mongolian snake-gourd), converts a single cis double bond at position 12 of linoleate incorporated into phosphatidylcholine into conjugated 11-trans and 13-cis double bonds. cf. EC 1.14.19.33, Δ 12 acyl-lipid conjugase (11E,13E-forming).

Synonyms

Fac (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.19.16

Reaction

a linoleoyl-[glycerolipid] + 2 ferrocytochrome b5 + O₂ + 2 H⁺ = a (9Z,11E,13Z)-octadeca-9,11,13-trienoyl-[glycerolipid] + 2 ferricytochrome b5 + 2 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.