Creative Enzymes®

linoleoyl-lipid Δ12 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, Δ12 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.