

oleate 10S-lipoxygenase

Cat. No. EXWM-0597

Lot. No. (See product label)

Introduction

Description

Binds Fe²⁺. The enzyme isolated from the bacterium *Pseudomonas* sp. 42A2 has similar activity with all the three Δ⁹ fatty acids. cf. EC 1.13.11.62, linoleate 10R-lipoxygenase.

Synonyms

10S-DOX; (10S)-dioxygenase; 10S-dioxygenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.77

Reaction

(1) oleate + O₂ = (8E,10S)-10-hydroperoxyoctadeca-8-enoate; (2) linoleate + O₂ = (8E,10S,12Z)-10-hydroperoxyoctadeca-8,12-dienoate; (3) α-linolenate + O₂ = (8E,10S,12Z,15Z)-10-hydroperoxyoctadeca-8,12,15-trienoate

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.