

diapolycopene oxygenase

Cat. No. EXWM-1054

Lot. No. (See product label)

Introduction

Description

Little activity with neurosporene or lycopene. Involved in the biosynthesis of C30 carotenoids such as staphyloxanthin. The enzyme oxidizes each methyl group to the hydroxymethyl and then a dihydroxymethyl group, followed by the spontaneous loss of water to give an aldehyde group.

Synonyms

crtP (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.99.44

Reaction

$4,4'\text{-diapolycopene} + 4 \text{ AH}_2 + 4 \text{ O}_2 = 4,4'\text{-diapolycopenedial} + 4 \text{ A} + 6 \text{ H}_2\text{O}$

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.