Creative Enzymes®

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 eachmethyl 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'-diapolycopene + 4 AH2 + 4 O2 = 4,4'-diapolycopenedial + 4 A + 6 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 ℃.