

all-trans-10'-apo-β-carotenal 13,14-cleaving dioxygenase

Cat. No. EXWM-0590

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺. The enzyme from the plant *Arabidopsis thaliana* also catalyses EC 1.13.11.69, carlactone synthase, 10-fold faster.

Synonyms

CCD8 (gene name); MAX4 (gene name); NCED8 (gene name); all-trans-10'-apo-β-carotenal:O₂ oxidoreductase (13,14-cleaving)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.70

Reaction

all-trans-10'-apo-β-carotenal + O₂ = 13-apo-β-carotenone + (2E,4E,6E)-4-methylocta-2,4,6-trienedial

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.