

carlactone synthase

Cat. No. EXWM-0589

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺. The enzyme participates in a pathway leading to biosynthesis of strigolactones, plant hormones involved in promotion of symbiotic associations known as arbuscular mycorrhiza. Also catalyses EC 1.13.11.70, all-trans-10'-apo-β-carotenal 13,14-cleaving dioxygenase, but 10-fold slower.

Synonyms

CCD8 (gene name); MAX4 (gene name); NCED8 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.69

Reaction

9-cis-10'-apo-β-carotenal + 2 O₂ = carlactone + (2E,4E,6E)-7-hydroxy-4-methylhepta-2,4,6-trienal

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.