

(4S)-limonene synthase

Cat. No. EXWM-5172

Lot. No. (See product label)

Introduction

Description

A recombinant enzyme (also known as a monoterpene synthase or cyclase) from the grand fir (*Abies grandis*) requires Mn^{2+} and K^{+} for activity. Mg^{2+} is essentially ineffective as the divalent metal ion cofactor.

Synonyms

(-)-(4S)-limonene synthase; 4S-(-)-limonene synthase; geranyldiphosphate diphosphate lyase (limonene forming); geranyldiphosphate diphosphate lyase [cyclizing, (4S)-limonene-forming]; geranyl-diphosphate diphosphate-lyase [cyclizing; (-)-(4S)-limonene-forming]

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.3.16

CAS No.

110639-20-8

Reaction

geranyl diphosphate = (S)-limonene + diphosphate

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.