

eugenol synthase

Cat. No. EXWM-0230

Lot. No. (See product label)

Introduction

Description

The enzyme acts in the opposite direction. The enzymes from the plants *Ocimum basilicum* (sweet basil), *Clarkia breweri* and *Petunia hybrida* only accept coniferyl acetate and form eugenol. The enzyme from *Pimpinella anisum* (anise) forms anol (from 4-coumaryl acetate) in vivo, although the recombinant enzyme can form eugenol from coniferyl acetate. The enzyme from *Larrea tridentata* (creosote bush) also forms chavicol from a coumaryl ester and can use NADH.

Synonyms

LtCES1; EGS1; EGS2

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.318

Reaction

eugenol + a carboxylate + NADP⁺ = a coniferyl ester + NADPH + H⁺

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.