

ipsdienol synthase

Cat. No. EXWM-0929

Lot. No. (See product label)

Introduction

Description

A cytochrome P-450 heme-thiolate protein. Involved in the insect aggregation pheromone production. Isolated from the pine engraver beetle, *Ips pini*. A small amount of (S)-ipsdienol is also formed. In vitro it also hydroxylated (+)- and (-)- α -pinene, 3-carene, and (+)-limonene, but not α -phellandrene, (-)- β -pinene, γ -terpinene, or terpinolene.

Synonyms

myrcene hydroxylase; CYP9T2; CYP9T3

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.14.31

Reaction

myrcene + [reduced NADPH-hemoprotein reductase] + O₂ = (R)-ipsdienol + [oxidized NADPH-hemoprotein reductase] + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.