Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.