Creative Enzymes®

syn-pimara-7,15-diene synthase

Cat. No. EXWM-5193

Lot. No. (See product label)

Introduction

Description	This enzyme is a class I terpene synthase. 9β-Pimara-7,15-diene is a precursor of momilactones A and B, rice diterpenoid phytoalexins that are produced in response to attack (by a pathogen, elicitor or UV irradiation) and are involved in the defense mechanism of the plant. Momilactone B can also act as an allochemical, being constitutively produced in the root of the plant and secreted to the rhizosphere where it suppresses the growth of neighbouring plants and soil microorganisms.
Synonyms	9β-pimara-7,15-diene synthase; OsDTS2; OsKS4

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.35
Reaction	9α-copalyl diphosphate = 9β-pimara-7,15-diene + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.