

## 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. 9 $\beta$ -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

9 $\beta$ -pimara-7,15-diene synthase; OsDTS2; OsKS4

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.2.3.35

#### Reaction

9 $\alpha$ -copalyl diphosphate = 9 $\beta$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.