Creative Enzymes®

stemar-13-ene synthase

Cat. No. EXWM-5191

Lot. No. (See product label)

Introduction

Description	This diterpene cyclase produces stemar-13-ene, a putative precursor of the rice phytoalexin oryzalexin S. Phytoalexins are diterpenoid secondary metabolites that are involved in the defense mechanism of the plant, and are produced in response to pathogen attack through the perception of elicitor signal molecules such as chitin oligosaccharide, or after exposure to UV irradiation.
Synonyms	OsDTC2; OsK8; OsKL8; OsKS8; stemarene synthase; syn-stemar-13-ene synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.33
Reaction	9α-copalyl diphosphate = stemar-13-ene + 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 ℃.