ent-sandaracopimaradiene synthase

Cat. No. EXWM-5186

Lot. No. (See product label)

Introduction

Description	ent-Sandaracopimaradiene is a precursor of the rice oryzalexins A-F.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. As a minor product, this enzyme also forms ent-pimara-8(14),15-diene, which is the sole product ofEC 4.2.3.30, ent-pimara-8(14),15-diene synthase. ent-Pimara-8(14),15-diene is not a precursor in the biosynthesis of either gibberellins or phytoalexins.
Synonyms	OsKS10; ent-sandaracopimara-8(14),15-diene synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.29
Reaction	ent-copalyl diphosphate = ent-sandaracopimara-8(14),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 ℃.