Creative Enzymes®

terpentedienyl-diphosphate synthase

Cat. No. EXWM-5616

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. Contains a DXDD motif, which is a characteristic of diterpene cylases whose reactions are initiated by protonation at the 14,15-double bond of geranylgeranyl diphosphate (GGDP). The triggering proton is lost at the end of the cyclization reaction. The product of the reaction, terpentedienyl diphosphate, is the substrate for EC 4.2.3.36, terpentetriene synthase and is a precursor of the diterpenoid antibiotic terpentecin.
Synonyms	terpentedienol diphosphate synthase; Cyc1; clerodadienyl diphosphate synthase; terpentedienyl-diphosphate lyase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.5.1.15
Reaction	geranylgeranyl diphosphate = terpentedienyl 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 ℃.