Creative Enzymes®

(+)-bornyl diphosphate synthase

Cat. No. EXWM-5634

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. The enzyme from Salvia officinalis (sage) can also use (3R)-linalyl diphosphate or more slowly neryl diphosphate in vitro. The reaction proceeds via isomeration of geranyl diphosphate to (3R)-linalyl diphosphate. The oxygen and phosphorus originally linked to C-1 of geranyl diphosphate end up linked to C-2 of (+)-bornyl diphosphate. cf. EC 5.5.1.22 [(–)-bornyl diphosphate synthase].
Synonyms	bornyl pyrophosphate synthase (ambiguous); bornyl pyrophosphate synthetase (ambiguous); (+)-bornylpyrophosphate cyclase; geranyl-diphosphate cyclase (ambiguous); (+)-bornyl-diphosphate lyase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.5.1.8
CAS No.	72668-91-8
Reaction	geranyl diphosphate = (+)-bornyl 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 ℃.