

## (+)-bornyl diphosphate synthase

Cat. No. EXWM-5634

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup>. The enzyme from *Salvia officinalis* (sage) can also use (3R)-linalyl diphosphate or more slowly neryl diphosphate in vitro. The reaction proceeds via isomerization 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.