

chrysanthemyl diphosphate synthase

Cat. No. EXWM-2804

Lot. No. (See product label)

Introduction

Description

Requires a divalent metal ion for activity, with Mg^{2+} being better than Mn^{2+} . Chrysanthemyl diphosphate is a monoterpene with a non-head-to-tail linkage. It is unlike most monoterpenoids, which are derived from geranyl diphosphate and have isoprene units that are linked head-to-tail. The mechanism of its formation is similar to that of the early steps of squalene and phytoene biosynthesis. Chrysanthemyl diphosphate is the precursor of chrysanthemic acid, the acid half of the pyrethroid insecticides found in chrysanthemums.

Synonyms

CPPase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.67

Reaction

2 dimethylallyl diphosphate = diphosphate + chrysanthemyl 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.