Creative Enzymes®

chrysanthemyl diphosphate synthase

Cat. No. EXWM-2804

Lot. No. (See product label)

Introduction

Description	Requires a divalent metal ion for activity, with Mg2+ being better than Mn2+. 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.