Creative Enzymes®

germacrene-A synthase

Cat. No. EXWM-5180

Lot. No. (See product label)

Introduction

Description	Requires Mg2+ for activity. While germacrene A is an enzyme-bound intermediate in the biosynthesis of a number of phytoalexins, e.g. EC 4.2.3.9 (aristolochene synthase) from some species and EC 4.2.3.21 (vetispiradiene synthase), it is the sole sesquiterpenoid product formed in chicory.
Synonyms	germacrene A synthase; (+)-germacrene A synthase; (+)-(10R)-germacrene A synthase; GAS; 2-trans,6-trans-farnesyl-diphosphate diphosphate-lyase (germacrene-A-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.23
CAS No.	213763-55-4
Reaction	(2E,6E)-farnesyl diphosphate = (+)-(R)-gemacrene A + 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 ℃.