

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)-germacrene 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.