

presqualene diphosphate synthase

Cat. No. EXWM-2719

Lot. No. (See product label)

Introduction

Description

Isolated from the green alga *Botryococcus braunii* BOT22. Unlike EC 2.5.1.21, squalene synthase, where squalene is formed in one step from farnesyl diphosphate, in this alga the intermediate presqualene diphosphate is generated and released by this enzyme. This compound is then converted into either squalene (by EC 1.3.1.96, *Botryococcus* squalene synthase) or botryococcene (EC 1.3.1.97, botryococcene synthase).

Synonyms

SSL-1 (gene name); hpnD (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.103

Reaction

2 (2E,6E)-farnesyl diphosphate = presqualene diphosphate + 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.