

squalene monooxygenase

Cat. No. EXWM-0914

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). This enzyme, together with EC 5.4.99.7 lanosterol synthase, was formerly known as squalene oxidocyclase. The electron donor is EC 1.6.2.4, NADPH-hemoprotein reductase.

Synonyms

squalene epoxidase; squalene-2,3-epoxide cyclase; squalene 2,3-oxidocyclase; squalene hydroxylase; squalene oxydocyclase; squalene-2,3-epoxidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.14.17

CAS No.

9029-62-3

Reaction

squalene + [reduced NADPH-hemoprotein reductase] + O₂ = (3S)-2,3-epoxy-2,3-dihydrosqualene + [oxidized NADPH-hemoprotein reductase] + H₂O

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.