

## Ianosterol synthase

Cat. No. EXWM-5607

Lot. No. (See product label)

### Introduction

**Description** Lanosterol synthase is an oxidosqualene cyclase (OSC) enzyme that converts (S)-2,3-oxidosqualene to a protosterol cation and finally to lanosterol. Lanosterol is a key four-ringed intermediate in cholesterol biosynthesis. In humans, lanosterol synthase is encoded by the LSS gene.

**Synonyms** 2,3-epoxysqualene lanosterol cyclase; squalene-2,3-oxide-lanosterol cyclase; lanosterol 2,3-oxidosqualene cyclase; squalene 2,3-epoxide:lanosterol cyclase; 2,3-oxidosqualene sterol cyclase; oxidosqualene cyclase; 2,3-oxidosqualene cyclase; 2,3-oxidosqualene-lanosterol cyclase; oxidosqualene-lanosterol cyclase; squalene epoxidase-cyclase; (S)-2,3-epoxysqualene mutase (cyclizing, lanosterol-forming)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 5.4.99.7

**CAS No.** 9032-71-7

**Reaction** (3S)-2,3-epoxy-2,3-dihydrosqualene = lanosterol

**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.