Creative Enzymes®

lanosterol 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.