

dihydromonacolin L hydroxylase

Cat. No. EXWM-0797

Lot. No. (See product label)

Introduction

Description

A heme-thiolate protein (cytochrome P-450). The dehydration of 3 α -hydroxy-3,5-dihydromonacolin L acid is believed to be spontaneous. The enzyme from fungi also catalyses the reaction of EC 1.14.13.198, monacolin L hydroxylase.

Synonyms

LovA (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.197

Reaction

dihydromonacolin L acid + O₂ + NADPH + H⁺ = monacolin L acid + NADP⁺ + 2 H₂O (overall reaction); (1a) dihydromonacolin L acid + O₂ + NADPH + H⁺ = 3 α -hydroxy-3,5-dihydromonacolin L acid + NADP⁺ + H₂O; (1b) 3 α -hydroxy-3,5-dihydromonacolin L acid = monacolin L acid + H₂O (spontaneous)

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.