Creative Enzymes®

dihydromonacolin L hydroxylase

Cat. No. EXWM-0797

Lot. No. (See product label)

Introduction

Description	A heme-thiolate protein (cytochrome P-450). The dehydration of 3α-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+ = 3α-hydroxy-3,5-dihydromonacolin L acid + NADP+ + H2O; (1b) 3α-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.