Creative Enzymes®

3,9-dihydroxypterocarpan 6a-monooxygenase

Cat. No. EXWM-0835

Lot. No. (See product label)

Introduction

Description	Possibly a heme-thiolate protein (P-450). The product of the reaction is the biosynthetic precursor of the phytoalexin glyceollin in soybean.
Synonyms	3,9-dihydroxypterocarpan 6a-hydroxylase; 3,9-dihydroxypterocarpan 6α-monooxygenase (erroneous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.28
CAS No.	92584-16-2
Reaction	(6aR,11aR)-3,9-dihydroxypterocarpan + NADPH + H+ + O2 = (6aS,11aS)-3,6a,9-trihydroxypterocarpan + NADP+ + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.