Creative Enzymes®

taxadiene 5α-hydroxylase

Cat. No. EXWM-1048

Lot. No. (See product label)

Introduction

Description	This microsomal cytochrome-P-450-dependent enzyme is involved in the biosynthesis of the diterpenoid antineoplastic drug Taxol (paclitaxel). The reaction includes rearrangement of the 4(5)-double bond to a 4(20)-double bond, possibly through allylic oxidation.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.99.37
CAS No.	9035-51-2
Reaction	taxa-4,11-diene + AH2 + O2 = taxa-4(20),11-dien-5α-ol + A + 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 ℃.