

## taxadiene 5 $\alpha$ -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**  $\text{taxa-4,11-diene} + \text{AH}_2 + \text{O}_2 = \text{taxa-4(20),11-dien-5}\alpha\text{-ol} + \text{A} + \text{H}_2\text{O}$

**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.