

## (-)-deoxypodophyllotoxin synthase

Cat. No. EXWM-0669

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the plant *Sinopodophyllum hexandrum*, is involved in the biosynthetic pathway of podophyllotoxin, a non-alkaloid toxin lignan whose derivatives are important anticancer drugs. It catalyses the closure of the central six-membered ring in the aryltetralin scaffold.

#### Synonyms

2-ODD (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.11.50

#### Reaction

$(-)\text{-yatein} + 2\text{-oxoglutarate} + \text{O}_2 = (-)\text{-deoxypodophyllotoxin} + \text{succinate} + \text{CO}_2 + \text{H}_2\text{O}$

#### 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.