Creative Enzymes®

# (–)-deoxypodophyllotoxin synthase

*Cat. No.* EXWM-0669

*Lot. No.* (See product label)

## Introduction

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|---|---|
| **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

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| **Form** | Liquid or lyophilized powder |
| **EC Number** | EC 1.14.11.50 |
| **Reaction** | (–)-yatein + 2-oxoglutarate + O2 = (–)-deoxypodophyllotoxin + succinate + CO2 + 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

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| **Storage** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |