

## (-)-4'-demethyl-deoxypodophyllotoxin 4-hydroxylase

Cat. No. EXWM-0816

Lot. No. (See product label)

### Introduction

**Description** This cytochrome P450 enzyme, characterized from the plant Sinopodophyllum hexandrum, produces the direct precursor to etoposide, a potent anticancer drug. It can also act on (-)-deoxypodophyllotoxin with lower efficiency.

**Synonyms** CYP82D61 (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.13.214

**Reaction**  $(-)\text{-}4'\text{-demethyldeoxypodophyllotoxin} + \text{NADPH} + \text{H}^+ + \text{O}_2 = (-)\text{-}4'\text{-demethylepipodophyllotoxin} + \text{NADP}^+ + \text{H}_2\text{O}$

**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.