

(-)-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.