Creative Enzymes®

(–)-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	(–)-4'-demethyldeoxypodophyllotoxin + NADPH + H+ + O2 = (–)-4'-demethylepipodophyllotoxin + NADP+ + 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

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