

(-)-pluviatolide synthase

Cat. No. EXWM-1022

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the plants *Sinopodophyllum hexandrum* and *Podophyllum peltatum*, catalyses the formation of a methylenedioxy-bridge. It is involved in the biosynthesis of podophyllotoxin, a non-alkaloid toxin lignan whose derivatives are important anticancer drugs.

Synonyms

CYP719A23 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.21.11

Reaction

(-)-matairesinol + NADPH + H⁺ + O₂ = (-)-pluviatolide + NADP⁺ + 2 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.