

monoprenyl isoflavone epoxidase

Cat. No. EXWM-1046

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD) with high specificity for monoprenyl isoflavone. The product of the prenyl epoxidation reaction contains an oxygen atom derived from O₂, but not from H₂O. It is slowly and non-enzymically converted into the corresponding dihydrofurano derivative. The enzyme in the fungus *Botrytis cinerea* is induced by the substrate analogue, 6-prenylnaringenin.

Synonyms

monoprenyl isoflavone monooxygenase; 7-O-methylfluteone:O₂ oxidoreductase; 7-O-methylfluteone,NADPH:O₂ oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.99.34

CAS No.

198496-86-5

Reaction

7-O-methylfluteone + NADPH + H⁺ + O₂ = dihydrofurano derivatives + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.