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-methylluteone:O2 oxidoreductase; 7-O-methylluteone,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-methylluteone + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.