

## 8-dimethylallylnaringenin 2'-hydroxylase

Cat. No. EXWM-0702

Lot. No. (See product label)

### Introduction

#### Description

A membrane-bound cytochrome P-450 heme-thiolate monooxygenase that is associated with the endoplasmic reticulum. This enzyme is specific for sophoraflavanone B as substrate. NADPH cannot be replaced by NADH, FAD or FMN. Along with EC 2.5.1.70 (naringenin 8-dimethylallyltransferase) and EC 2.5.1.71 (leachianone G 2''-dimethylallyltransferase), this enzyme forms part of the sophoraflavanone-G-biosynthesis pathway.

#### Synonyms

8-DMAN 2'-hydroxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.103

#### Reaction

sophoraflavanone B + NADPH + H<sup>+</sup> + O<sub>2</sub> = leachianone G + NADP<sup>+</sup> + H<sub>2</sub>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.