

## psoralen synthase

Cat. No. EXWM-0701

Lot. No. (See product label)

### Introduction

#### Description

This microsomal cytochrome P-450-dependent enzyme is specific for (+)-marmesin, and to a much lesser extent 5-hydroxymarmesin, as substrate. Furanocoumarins protect plants from fungal invasion and herbivore attack. (+)-Columbianetin, the angular furanocoumarin analogue of the linear furanocoumarin (+)-marmesin, is not a substrate for the enzyme but it is a competitive inhibitor.

#### Synonyms

CYP71AJ1

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.102

#### Reaction

(+)-marmesin + NADPH + H<sup>+</sup> + O<sub>2</sub> = psoralen + NADP<sup>+</sup> + acetone + 2 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.