

## trans-cinnamate 4-monooxygenase

Cat. No. EXWM-0709

Lot. No. (See product label)

### Introduction

#### Description

NADH also acts, more slowly. Involves a heme-thiolate protein (P-450).

#### Synonyms

cinnamic acid 4-hydroxylase; oxygenase, cinnamate 4-mono-; CA4H cytochrome P450 cinnamate 4-hydroxylase; cinnamate 4-hydroxylase; cinnamate 4-monooxygenase; cinnamate hydroxylase; cinnamic 4-hydroxylase; cinnamic acid 4-monooxygenase; cinnamic acid p-hydroxylase; hydroxylase, cinnamate 4-; t-cinnamic acid hydroxylase; trans-cinnamate 4-hydroxylase; trans-cinnamic acid 4-hydroxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.11

#### CAS No.

9077-75-2

#### Reaction

trans-cinnamate + NADPH + H<sup>+</sup> + O<sub>2</sub> = 4-hydroxycinnamate + 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.