

## caffeate 3,4-dioxygenase

Cat. No. EXWM-0541

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on single donors with O<sub>2</sub> as oxidant and incorporation of two atoms of oxygen into the substrate (oxygenases). The oxygen incorporated need not be derived from O<sub>2</sub>. The systematic name of this enzyme class is 3,4-dihydroxy-trans-cinnamate:oxygen 3,4-oxidoreductase (decyclizing). This enzyme participates in phenylpropanoid biodegradation.

#### Synonyms

3,4-dihydroxy-trans-cinnamate:oxygen 3,4-oxidoreductase (decyclizing)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.13.11.22

#### CAS No.

37256-61-4

#### Reaction

3,4-dihydroxy-trans-cinnamate + O<sub>2</sub> = 3-(2-carboxyethenyl)-cis,cis-muconate

#### 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.