

## (2,2,3-trimethyl-5-oxocyclopent-3-enyl)acetyl-CoA 1,5-monooxygenase

Cat. No. EXWM-0760

Lot. No. (See product label)

### Introduction

#### Description

A FAD dependent enzyme isolated from *Pseudomonas putida*. Forms part of the catabolism pathway of camphor. It acts on the CoA ester in preference to the free acid.

#### Synonyms

2-oxo- $\Delta^3$ -4,5,5-trimethylcyclopentenylacetyl-CoA monooxygenase; 2-oxo- $\Delta^3$ -4,5,5-trimethylcyclopentenylacetyl-CoA 1,2-monooxygenase; OTEMO

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.160

#### Reaction

$[(1R)-2,2,3\text{-trimethyl-5-oxocyclopent-3-enyl}]acetyl-CoA + O_2 + NADPH + H^+ = [(2R)-3,3,4\text{-trimethyl-6-oxo-3,6-dihydro-1H-pyran-2-yl}]acetyl-CoA + NADP^+ + H_2O$

#### 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.