

(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- Δ^3 -4,5,5-trimethylcyclopentenylacetyl-CoA monooxygenase; 2-oxo- Δ^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-trimethyl-5-oxocyclopent-3-enyl]acetyl-CoA + O₂ + NADPH + H⁺ = [(2R)-3,3,4-trimethyl-6-oxo-3,6-dihydro-1H-pyran-2-yl]acetyl-CoA + NADP⁺ + H₂O

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.