Creative Enzymes®

(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-Δ3-4,5,5-trimethylcyclopentenylacetyl-CoA monooxygenase; 2-oxo-Δ3-4,5,5-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.