

cyclopentanone monooxygenase

Cat. No. EXWM-0759

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on paired donors, with O₂ as oxidant and incorporation or reduction of oxygen. The oxygen incorporated need not be derived from O₂ with NADH or NADPH as one donor, and incorporation of one atom of oxygen into the other donor. The systematic name of this enzyme class is cyclopentanone,NADPH:oxygen oxidoreductase (5-hydroxylating, lactonizing). This enzyme is also called cyclopentanone oxygenase.

Synonyms

cyclopentanone oxygenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.16

CAS No.

37364-15-1

Reaction

cyclopentanone + NADPH + H⁺ + O₂ = 5-valerolactone + 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.