

averantin hydroxylase

Cat. No. EXWM-0772

Lot. No. (See product label)

Introduction

Description

A heme-thiolate (P-450) monooxygenase isolated from *Aspergillus parasiticus*. There is no reaction with (1'R)-averantin. Involved in aflatoxin biosynthesis.

Synonyms

AVN hydroxylase; avnA (gene name); (1'S)-averantin,NADPH:O₂ oxidoreductase (5'-hydroxylating)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.174

Reaction

(1) (1'S)-averantin + NADPH + H⁺ + O₂ = (1'S,5'S)-5'-hydroxyaverantin + NADP⁺ + H₂O; (2) (1'S)-averantin + NADPH + H⁺ + O₂ = (1'S,5'R)-5'-hydroxyaverantin + 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.