

methyl-branched lipid ω -hydroxylase

Cat. No. EXWM-0939

Lot. No. (See product label)

Introduction

Description

The enzyme, found in pathogenic and nonpathogenic mycobacteria species, actinomycetes, and some proteobacteria, hydroxylates the ω -carbon of a number of methyl-branched lipids, including (2E,6E)-farnesol, phytanate, geranylgeraniol, 15-methylpalmitate and (2E,6E)-farnesyl diphosphate. It is a P-450 heme-thiolate enzyme.

Synonyms

CYP124

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.15.14

Reaction

a methyl-branched lipid + O₂ + 2 reduced ferredoxin [iron-sulfur] cluster + 2 H⁺ = an ω -hydroxy-methyl-branched lipid + H₂O + 2 oxidized ferredoxin [iron-sulfur] cluster

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.