

sterol 14 α -demethylase

Cat. No. EXWM-0877

Lot. No. (See product label)

Introduction

Description

This heme-thiolate (P-450) enzyme acts on a range of steroids with a 14 α -methyl group, such as obtusifolol and lanosterol. The enzyme catalyses two successive hydroxylations of the 14 α -methyl group, followed by elimination as formate, leaving a 14(15) double bond.

Synonyms

obtusifolol 14-demethylase; lanosterol 14-demethylase; lanosterol 14 α -demethylase; sterol 14-demethylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.70

CAS No.

60063-87-8

Reaction

a 14 α -methylsteroid + 3 O₂ + 3 NADPH + 3 H⁺ = a Δ 14-steroid + formate + 3 NADP⁺ + 4 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.