

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 obtusifoliol 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 obtusifoliol 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.