

7 α -hydroxycholest-4-en-3-one 12 α -hydroxylase

Cat. No. EXWM-0970

Lot. No. (See product label)

Introduction

Description

A P-450 heme-thiolate protein. Requires EC 1.6.2.4, NADPH-hemoprotein reductase and cytochrome b5 for maximal activity. This enzyme is important in bile acid biosynthesis, being responsible for the balance between the formation of cholic acid and chenodeoxycholic acid.

Synonyms

7 α -hydroxy-4-cholesten-3-one 12 α -monooxygenase; CYP12; sterol 12 α -hydroxylase (ambiguous); HCO 12 α -hydroxylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.18.8

Reaction

7 α -hydroxycholest-4-en-3-one + 2 ferrocytochrome b5 + 2 H⁺ + O₂ = 7 α ,12 α -dihydroxycholest-4-en-3-one + 2 ferricytochrome b5 + 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.