

taurochenodeoxycholate 6 α -hydroxylase

Cat. No. EXWM-0905

Lot. No. (See product label)

Introduction

Description

A heme-thiolate protein (P-450). Requires cytochrome b5 for maximal activity. Acts on taurochenodeoxycholate, taurodeoxycholate and less readily on lithocholate and chenodeoxycholate. In adult pig (*Sus scrofa*), hyocholic acid replaces cholic acid as a primary bile acid.

Synonyms

CYP3A4; CYP4A21; taurochenodeoxycholate 6 α -monooxygenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.97

CAS No.

105669-85-0

Reaction

(1) taurochenodeoxycholate + NADPH + H⁺ + O₂ = taurohyocholate + NADP⁺ + H₂O; (2) lithocholate + NADPH + H⁺ + O₂ = hyodeoxycholate + 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.