Creative Enzymes®

taurochenodeoxycholate 6α-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 6α-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.