Creative Enzymes®

propanoyl-CoA C-acyltransferase

Cat. No. EXWM-2117

Lot. No. (See product label)

Introduction

Description	Also acts on dihydroxy-5β-cholestanoyl-CoA and other branched chain acyl-CoA derivatives. The enzyme catalyses the penultimate step in the formation of bile acids. The bile acid moiety is transferred from the acyl-CoA thioester (RCO-SCoA) to either glycine or taurine (NH2R') by EC 2.3.1.65, bile acid-CoA:amino acid N-acyltransferase.
Synonyms	SCP2 (gene name); peroxisomal thiolase 2; sterol carrier protein-χ; SCPχ; PTE-2 (ambiguous); propionyl-CoA C2-trimethyltridecanoyltransferase; 3-oxopristanoyl-CoA hydrolase; 3-oxopristanoyl-CoA thiolase; peroxisome sterol carrier protein thiolase; sterol carrier protein; oxopristanoyl-CoA thiolase; peroxisomal 3-oxoacyl coenzyme A thiolase; SCPx; 4,8,12-trimethyltridecanoyl-CoA:propanoyl-CoA 2-C-4,8,12-trimethyltridecanoyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.176
Reaction	3α,7α,12α-trihydroxy-5β-cholanoyl-CoA + propanoyl-CoA = CoA + 3α,7α,12α-trihydroxy-24-oxo-5β-cholestanoyl-CoA
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 ℃.