Creative Enzymes®

cholesterol 7α-monooxygenase

Cat. No. EXWM-0920

Lot. No. (See product label)

Introduction

Description	A P-450 heme-thiolate liver protein that catalyses the first step in the biosynthesis of bile acids. The direct electron donor to the enzyme is EC 1.6.2.4, NADPH-hemoprotein reductase.
Synonyms	cholesterol 7α-hydroxylase; CYP7A1 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.14.23
CAS No.	9037-53-0
Reaction	cholesterol + [reduced NADPH-hemoprotein reductase] + O2 = 7α-hydroxycholesterol + [oxidized NADPH-hemoprotein reductase] + 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 ℃.