

3β-hydroxycholanate 3-dehydrogenase (NAD+)

Cat. No. EXWM-0311

Lot. No. (See product label)

Introduction

Description

This bacterial enzyme is involved, along with EC 1.1.1.52, 3α-hydroxycholanate dehydrogenase (NAD+), or EC 1.1.1.392, 3α-hydroxycholanate dehydrogenase (NADP+), in the modification of secondary bile acids to form 3β-bile acids (also known as iso-bile acids). The enzyme catalyses the reaction in the reduction direction in vivo. Also acts on related 3-oxo bile acids. cf. EC 1.1.1.393, 3β-hydroxycholanate 3-dehydrogenase (NADP+).

Synonyms

3β-hydroxysteroid dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.391

Reaction

isolithocholate + NAD+ = 3-oxo-5β-cholan-24-oate + NADH + H+

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.