

3 β -hydroxysteroid-4 α -carboxylate 3-dehydrogenase (decarboxylating)

Cat. No. EXWM-0074

Lot. No. (See product label)

Introduction

Description

The enzyme catalyses the decarboxylation of the C-4 carbon and the dehydrogenation of a 3 β hydroxyl at the C-3 carbon of 3 β -hydroxysteroid-4 α -carboxylates. It is involved in zymosterol and cholesterol biosynthesis.

Synonyms

3 β -hydroxy-4 β -methylcholestenecarboxylate 3-dehydrogenase (decarboxylating); 3 β -hydroxy-4 β -methylcholestenoate dehydrogenase; sterol 4 α -carboxylic decarboxylase; sterol-4 α -carboxylate 3-dehydrogenase (decarboxylating) (ambiguous); ERG26 (gene name); NSDHL (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.170

CAS No.

71822-23-6

Reaction

a 3 β -hydroxysteroid-4 α -carboxylate + NAD(P)⁺ = a 3-oxosteroid + CO₂ + NAD(P)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.