

17 β -estradiol 17-dehydrogenase

Cat. No. EXWM-0348

Lot. No. (See product label)

Introduction

Description

The enzyme oxidizes or reduces the hydroxy/keto group on C17 of estrogens and androgens in mammals and regulates the biological potency of these steroids. The mammalian enzyme is bifunctional and also catalyses EC 1.1.1.270, 3 β -hydroxysteroid 3-dehydrogenase. The enzyme also acts on (S)-20-hydroxypregn-4-en-3-one and related compounds, oxidizing the (S)-20-group, but unlike EC 1.1.1.149, 20 α -hydroxysteroid dehydrogenase, it is Si-specific with respect to NAD(P)+.

Synonyms

20 α -hydroxysteroid dehydrogenase; 17 β ,20 α -hydroxysteroid dehydrogenase; 17 β -estradiol dehydrogenase; estradiol dehydrogenase; estrogen 17-oxidoreductase; 17 β -HSD; HSD17B7

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.62

CAS No.

9028-61-9

Reaction

17 β -estradiol + NAD(P)+ = estrone + NAD(P)H + 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.