

## estradiol 17 $\alpha$ -dehydrogenase

Cat. No. EXWM-0052

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. This enzyme participates in androgen and estrogen metabolism.

#### Synonyms

17 $\alpha$ -estradiol dehydrogenase; 17 $\alpha$ -hydroxy steroid dehydrogenase; 17 $\alpha$ -hydroxy steroid oxidoreductase; 17 $\alpha$ -hydroxysteroid oxidoreductase; estradiol 17 $\alpha$ -oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.148

#### CAS No.

9044-91-1

#### Reaction

estradiol-17 $\alpha$  + NAD(P)<sup>+</sup> = estrone + NAD(P)H + H<sup>+</sup>

#### 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.