

3 α -hydroxysteroid 3-dehydrogenase

Cat. No. EXWM-0273

Lot. No. (See product label)

Introduction

Description

The enzyme acts on multiple 3 α -hydroxysteroids, such as androsterone and 5 α -dihydrotestosterone. The mammalian enzymes are involved in inactivation of steroid hormones, while the bacterial enzymes are involved in steroid degradation. This entry stands for enzymes whose stereo-specificity with respect to NAD⁺ or NADP⁺ is not known. [cf. EC 1.1.1.50, 3 α -hydroxysteroid 3-dehydrogenase (Si-specific) and EC 1.1.1.213, 3 α -hydroxysteroid 3-dehydrogenase (Re-specific)].

Synonyms

3 α -hydroxysteroid dehydrogenase; AKR1C4 (gene name); AKR1C2 (gene name); hsdA (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.357

Reaction

a 3 α -hydroxysteroid + NAD(P)⁺ = a 3-oxosteroid + 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.