Creative Enzymes®

3-oxo-5α-steroid 4-dehydrogenase (acceptor)

Cat. No. EXWM-1439

Lot. No. (See product label)

Introduction

Description	A flavoprotein. This bacterial enzyme, characterized from Comamonas testosteroni, is involved in androsterone degradation. cf. EC 1.3.1.22, 3-oxo-5α-steroid 4-dehydrogenase (NADP+).
Synonyms	steroid 5α-reductase; 3-oxosteroid Δ4-dehydrogenase; 3-oxo-5α-steroid Δ4-dehydrogenase; steroid Δ4-5α-reductase; Δ4-3-keto steroid 5α-reductase; Δ4-3-oxo steroid reductase; Δ4-3-ketosteroid5α-oxidoreductase; Δ4-3-oxosteroid-5α-reductase; 3-keto-Δ4-steroid-5α-reductase; 5α-reductase; testosterone 5α-reductase; 4-ene-3-ketosteroid-5α-oxidoreductase; Δ4-5α-dehydrogenase; 3-oxo-5α-steroid:(acceptor) Δ4-oxidoreductase; tesI (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.99.5
CAS No.	9036-43-5
Reaction	a 3-oxo-5α-steroid + acceptor = a 3-oxo-Δ4-steroid + reduced acceptor
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.