

## 3-hydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione monooxygenase

Cat. No. EXWM-0909

Lot. No. (See product label)

### Introduction

**Description** This bacterial enzyme participates in the degradation of several steroids, including cholesterol and testosterone. It can use either FADH or FMNH<sub>2</sub> as flavin cofactor. The enzyme forms a two-component system with a reductase (HsaB) that utilizes NADH to reduce the flavin, which is then transferred to the oxygenase subunit.

**Synonyms** HsaA

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.14.12

**Reaction** 3-hydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione + FMNH<sub>2</sub> + O<sub>2</sub> = 3,4-dihydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione + FMN + H<sub>2</sub>O

**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.