

## C-19 steroid 1 $\alpha$ -hydroxylase

Cat. No. EXWM-0944

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Sorangium cellulosum*, is a class I cytochrome P-450, and uses ferredoxin as its electron donor. It was shown to act on several C-19 steroid substrates, including testosterone, androstenedione, testosterone-acetate and 11-oxoandrostenedione.

#### Synonyms

CYP260A1

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.15.19

#### Reaction

testosterone + 2 reduced ferredoxin [iron-sulfur] cluster + O<sub>2</sub> + 2 H<sup>+</sup> = 1 $\alpha$ -hydroxytestosterone + H<sub>2</sub>O + 2 oxidized ferredoxin [iron-sulfur] cluster

#### 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.