

## steroid 11 $\beta$ -monooxygenase

Cat. No. EXWM-0947

Lot. No. (See product label)

### Introduction

#### Description

A heme-thiolate protein (P-450). Also hydroxylates steroids at the 18-position, and converts 18-hydroxycorticosterone into aldosterone.

#### Synonyms

steroid 11 $\beta$ -hydroxylase; steroid 11 $\beta$ /18-hydroxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.15.4

#### CAS No.

9029-66-7

#### Reaction

a steroid + 2 reduced adrenodoxin + O<sub>2</sub> + 2 H<sup>+</sup> = an 11 $\beta$ -hydroxysteroid + 2 oxidized adrenodoxin + 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.