

## aclacinomycin-N oxidase

Cat. No. EXWM-0418

Lot. No. (See product label)

### Introduction

#### Description

A flavoprotein (FAD). This bifunctional enzyme is a secreted flavin-dependent enzyme that is involved in the modification of the terminal sugar residues in the biosynthesis of aclacinomycins. The enzyme utilizes the same active site to catalyse the oxidation of the rhodnose moiety of aclacinomycin N to the cinerulose A moiety of aclacinomycin A and the oxidation of the latter to the L-aculose moiety of aclacinomycin Y (cf. EC 1.3.3.14, aclacinomycin A oxidase).

#### Synonyms

AknOx (ambiguous); aclacinomycin oxidoreductase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.3.45

#### Reaction

aclacinomycin N + O<sub>2</sub> = aclacinomycin A + H<sub>2</sub>O<sub>2</sub>

#### 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.