

## anthranilate 3-monooxygenase (FAD)

Cat. No. EXWM-0932

Lot. No. (See product label)

### Introduction

#### Description

This enzyme, isolated from the bacterium *Geobacillus thermodenitrificans*, participates in the pathway of tryptophan degradation. The enzyme is part of a system that also includes a bifunctional riboflavin kinase/FMN adenylyltransferase and an FAD reductase, which ensures ample supply of FAD to the monooxygenase.

#### Synonyms

anthranilate 3-hydroxylase; anthranilate hydroxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.14.8

#### Reaction

anthranilate + FADH<sub>2</sub> + O<sub>2</sub> = 3-hydroxyanthranilate + FAD + 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.