

## verruculogen synthase

Cat. No. EXWM-0656

Lot. No. (See product label)

### Introduction

#### Description

Requires Fe<sup>2+</sup> and ascorbate. Found in the fungus *Aspergillus fumigatus*. Both atoms of a dioxygen molecule are incorporated into verruculogen. Involved in the biosynthetic pathways of several indole alkaloids such as fumitremorgin A.

#### Synonyms

fmtF (gene name); FmtOx1

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.11.38

#### Reaction

fumitremorgin B + 2-oxoglutarate + 2 O<sub>2</sub> + AH<sub>2</sub> = verruculogen + succinate + CO<sub>2</sub> + H<sub>2</sub>O + A

#### 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.