

## chanoclavine-I aldehyde reductase

Cat. No. EXWM-1272

Lot. No. (See product label)

### Introduction

#### Description

Contains FMN. The enzyme participates in the biosynthesis of fumigaclavine C, an ergot alkaloid produced by some fungi of the Trichocomaceae family. The enzyme catalyses the reduction of chanoclavine-I aldehyde to dihydrochanoclavine-I aldehyde. This hydrolyses spontaneously to form 6,8-dimethyl-6,7-didehydroergoline, which is converted to festuclavine by EC 1.5.1.44, festuclavine dehydrogenase.

#### Synonyms

FgaOx3; easA (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.3.1.100

#### Reaction

dihydrochanoclavine-I aldehyde + NADP<sup>+</sup> = chanoclavine-I aldehyde + NADPH + H<sup>+</sup>

#### 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.