Creative Enzymes®

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+ = chanoclavine-I aldehyde + NADPH + H+
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.