Creative Enzymes®

agroclavine dehydrogenase

Cat. No. EXWM-1527

Lot. No. (See product label)

Introduction

Description	The enzyme participates in the biosynthesis of ergotamine, an ergot alkaloid produced by some fungi of the Clavicipitaceae family. The reaction is catalysed in the opposite direction to that shown. The substrate for the enzyme is an iminium intermediate that is formed spontaneously from chanoclavine-I aldehyde in the presence of glutathione.
Synonyms	easG (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.5.1.46
Reaction	agroclavine + NADP+ = 6,8-dimethyl-6,7,8,9-tetradehydroergoline + 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 ℃.