Creative Enzymes®

acetylene hydratase

Cat. No. EXWM-4952

Lot. No. (See product label)

Introduction

Description	This is a non-redox-active enzyme that contains two molybdopterin guanine dinucleotide (MGD) cofactors, a tungsten centre and a cubane type [4Fe-4S] cluster.The tungsten centre binds a water molecule that is activated by an adjacent aspartate residue, enabling it to attack acetylene bound in a distinct hydrophobic pocket. Ethylene cannot act as a substrate.
Synonyms	AH; acetaldehyde hydro-lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.112
CAS No.	75788-81-7
Reaction	acetaldehyde = acetylene + H2O
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 ℃.