

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 °C for short term. For long term storage, store it at -20 °C \sim -80 °C.

Tel: 1-631-562-8517 1-516-512-3133 **Email:** info@creative-enzymes.com

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