

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~-80 °C.