

carbon disulfide lyase

Cat. No. EXWM-5329

Lot. No. (See product label)

Introduction

Description The enzyme contains Zn^{2+} . The hyperthermophilic archaeon *Acidianus* sp. A1-3 obtains energy by the conversion of carbon disulfide to hydrogen sulfide, with carbonyl sulfide as an intermediate.

Synonyms CS₂ hydrolase (misleading); carbon disulfide hydrolase (misleading); CS₂-converting enzyme; carbon disulphide-lyase (decarboxylating)

Product Information

Form Liquid or lyophilized powder

EC Number EC 4.4.1.27

Reaction carbon disulfide + 2 H₂O = CO₂ + 2 hydrogen sulfide (overall reaction); (1a) carbon disulfide + H₂O = carbonyl sulfide + hydrogen sulfide; (1b) carbonyl sulfide + H₂O = CO₂ + hydrogen sulfide

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.