

3-hydroxypropionyl-CoA dehydratase

Cat. No. EXWM-4956

Lot. No. (See product label)

Introduction

Description

Catalyses a step in the 3-hydroxypropanoate/4-hydroxybutanoate cycle, an autotrophic CO₂ fixation pathway found in some thermoacidophilic archaea. The enzyme from *Metallosphaera sedula* acts nearly equally as well on (S)-3-hydroxybutanoyl-CoA but not (R)-3-hydroxybutanoyl-CoA.

Synonyms

3-hydroxypropionyl-CoA hydro-lyase; 3-hydroxypropanoyl-CoA dehydratase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.1.116

Reaction

3-hydroxypropanoyl-CoA = acryloyl-CoA + 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.