

acrylyl-CoA reductase (NADPH)

Cat. No. EXWM-1353

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 *Sulfolobus tokodaii* does not act on either NADH or crotonyl-CoA. Different from EC 1.3.1.8, which acts only on enoyl-CoA derivatives of carbon chain length 4 to 16. Contains Zn²⁺.

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.3.1.84

Reaction propanoyl-CoA + NADP⁺ = acryloyl-CoA + NADPH + H⁺

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.