

## homocitrate synthase

Cat. No. EXWM-2315

Lot. No. (See product label)

### Introduction

#### Description

Belongs in the  $\alpha$ -aminoadipate pathway of lysine synthesis, along with EC 4.2.1.36, homoaconitate hydratase. The enzyme also acts with oxaloacetate as substrate, but more slowly.

#### Synonyms

2-hydroxybutane-1,2,4-tricarboxylate 2-oxoglutarate-lyase (CoA-acetylating); acetyl-coenzyme A:2-ketoglutarate C-acetyl transferase; homocitrate synthetase; HCS

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.3.14

#### CAS No.

9075-60-9

#### Reaction

acetyl-CoA + H<sub>2</sub>O + 2-oxoglutarate = (2R)-2-hydroxybutane-1,2,4-tricarboxylate + CoA

#### 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.