Creative Enzymes®

homocitrate synthase

Cat. No. EXWM-2315

Lot. No. (See product label)

Introduction

Description	Belongs in the α-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 + H2O + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.