

5-oxopent-3-ene-1,2,5-tricarboxylate decarboxylase

Cat. No. EXWM-4815

Lot. No. (See product label)

Introduction

Description

Requires Mg²⁺. Part of the 4-hydroxyphenylacetate degradation pathway in *Escherichia coli*.

Synonyms

5-carboxymethyl-2-oxo-hex-3-ene-1,6-dioate decarboxylase; 5-oxopent-3-ene-1,2,5-tricarboxylate carboxy-lyase; 5-oxopent-3-ene-1,2,5-tricarboxylate carboxy-lyase (2-oxohept-3-enedioate-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.1.68

Reaction

(3E,5R)-5-carboxy-2-oxohept-3-enedioate = (4Z)-2-oxohept-4-enedioate + CO₂ (overall reaction); (1a) (3E,5R)-5-carboxy-2-oxohept-3-enedioate = (2Z,4Z)-2-hydroxyhepta-2,4-dienedioate + CO₂; (1b) (2Z,4Z)-2-hydroxyhepta-2,4-dienedioate = (4Z)-2-oxohept-4-enedioate

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.