Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.