Creative Enzymes®

2-oxo-3-hexenedioate decarboxylase

Cat. No. EXWM-4825

Lot. No. (See product label)

Introduction

Description	Involved in the meta-cleavage pathway for the degradation of phenols, modified phenols and catechols. The enzyme has been reported to accept multiple tautomeric forms. However, careful analysis of the stability of the different tautomers, as well as characterization of the enzyme that produces its substrate, EC 5.3.2.6, 2-hydroxymuconate tautomerase, showed that the actual substrate for the enzyme is (3E)-2-oxohex-3-enedioate.
Synonyms	4-oxalocrotonate carboxy-lyase (misleading); 4-oxalocrotonate decarboxylase (misleading); cnbF (gene name); praD (gene name); amnE (gene name); nbaG (gene name); xylI (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.1.1.77
CAS No.	37325-55-6
Reaction	(3E)-2-oxohex-3-enedioate = 2-oxopent-4-enoate + CO2
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 ℃.