Creative Enzymes®

4-carboxymuconolactone decarboxylase

Cat. No. EXWM-4789

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds. This enzyme participates in benzoate degradation via hydroxylation.
Synonyms	γ-4-carboxymuconolactone decarboxylase; 4-carboxymuconolactone carboxy-lyase; 2-carboxy-2,5-dihydro-5-oxofuran-2-acetate carboxy-lyase (4,5-dihydro-5-oxofuran-2-acetate-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.1.1.44
CAS No.	37289-46-6
Reaction	(R)-2-carboxy-2,5-dihydro-5-oxofuran-2-acetate = 4,5-dihydro-5-oxofuran-2-acetate + 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 ℃.