Creative Enzymes®

2-aminomuconate deaminase (2-hydroxymuconate-forming)

Cat. No. EXWM-4401

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the bacterium Comamonas testosteroni CNB-1, converts 2-aminomuconate to 2-hydroxyhexa-2,4-dienedioate, unlike the enzymes from Pseudomonas, which produce (3E)-2-oxohex-3-enedioate (see EC 3.5.99.5, 2-aminomuconate deaminase). The enzyme also acts on 2-amino-5-chloromuconate.
Synonyms	cnbZ (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.120
Reaction	2-aminomuconate + H2O = (2Z,4E)-2-hydroxyhexa-2,4-dienedioate + NH3
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 ℃.