Creative Enzymes®

1-pyrroline-4-hydroxy-2-carboxylate deaminase

Cat. No. EXWM-4549

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in cyclic amidines. The systematic name of this enzyme class is 1-pyrroline-4-hydroxy-2-carboxylate aminohydrolase (decyclizing). This enzyme is also called HPC deaminase. This enzyme participates in arginine and proline metabolism.
Synonyms	HPC deaminase; 1-pyrroline-4-hydroxy-2-carboxylate aminohydrolase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.4.22
CAS No.	9054-77-7
Reaction	1-pyrroline-4-hydroxy-2-carboxylate + H2O = 2,5-dioxopentanoate + 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 ℃.