

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