

imidazolonepropionase

Cat. No. EXWM-4509

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 amides. The systematic name of this enzyme class is 3-(5-oxo-4,5-dihydro-3H-imidazol-4-yl)propanoate amidohydrolase. Other names in common use include 4(5)-imidazolone-5(4)-propionic acid hydrolase, and imidazolone propionic acid hydrolase. This enzyme participates in histidine metabolism.

Synonyms

4(5)-imidazolone-5(4)-propionic acid hydrolase; imidazolone propionic acid hydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.2.7

CAS No.

9024-91-3

Reaction

(S)-3-(5-oxo-4,5-dihydro-3H-imidazol-4-yl)propanoate + H₂O = N-formimidoyl-L-glutamate + H⁺

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.