Creative Enzymes®

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