

## IMP cyclohydrolase

Cat. No. EXWM-4537

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 IMP 1,2-hydrolase (decyclizing). Other names in common use include inosinase, and inosinate cyclohydrolase. This enzyme catalyses the cyclisation of 5-formylamidoimidazole-4-carboxamide ribonucleotide to IMP, a reaction which is important in de novo purine biosynthesis in archaeal species.

#### Synonyms

inosinase; inosinate cyclohydrolase; IMP 1,2-hydrolase (decyclizing)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.5.4.10

#### CAS No.

9013-81-4

#### Reaction

IMP + H<sub>2</sub>O = 5-formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide

#### 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.