

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 $\text{IMP} + \text{H}_2\text{O} = 5\text{-formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide}$

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.