

5-(carboxyamino)imidazole ribonucleotide mutase

Cat. No. EXWM-5557

Lot. No. (See product label)

Introduction

Description

In eubacteria, fungi and plants, this enzyme, along with EC 6.3.4.18, 5-(carboxyamino)imidazole ribonucleotide synthase, is required to carry out the single reaction catalysed by EC 4.1.1.21, phosphoribosylaminoimidazole carboxylase, in vertebrates. In the absence of EC 6.3.2.6, phosphoribosylaminoimidazolesuccinocarboxamide synthase, the reaction is reversible. The substrate is readily converted into 5-amino-1-(5-phospho-D-ribosyl)imidazole by non-enzymic decarboxylation.

Synonyms

N5-CAIR mutase; PurE; N5-carboxyaminoimidazole ribonucleotide mutase; class I PurE

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 5.4.99.18

CAS No.

255379-40-9

Reaction

5-carboxyamino-1-(5-phospho-D-ribosyl)imidazole = 5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxylate

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.