

phosphoribosylformylglycinamide cyclo-ligase

Cat. No. EXWM-5773

Lot. No. (See product label)

Introduction

Description AIR synthetase is the fifth enzyme in the de novo synthesis of purine nucleotides. It catalyzes the reaction to form 5-aminoimidazole ribonucleotide (AIR) from formylglycinamide-ribonucleotide FGAM.

Synonyms phosphoribosylaminoimidazole synthetase; AIR synthetase; 5'-aminoimidazole ribonucleotide synthetase; 2-(formamido)-1-N-(5-phosphoribosyl)acetamide cyclo-ligase (ADP-forming)

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.3.3.1

CAS No. 9023-53-4

Reaction $\text{ATP} + 2\text{-(formamido)-N}^1\text{-(5-phospho-D-ribose)}\text{ylacetamide} = \text{ADP} + \text{phosphate} + 5\text{-amino-1-(5-phospho-D-ribose)}\text{ylimidazole}$

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.