Creative Enzymes®

phosphoribosylformylglycinamidine 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-aminoimidizole ribonucleotide (AIR) from formylglycinamidine-ribonucleotide FGAM.
Synonyms	phosphoribosylaminoimidazole synthetase; AIR synthetase; 5'-aminoimidazole ribonucleotide synthetase; 2-(formamido)-1-N-(5-phosphoribosyl)acetamidine cyclo-ligase (ADP-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.3.1
CAS No.	9023-53-4
Reaction	ATP + 2-(formamido)-N1-(5-phospho-D-ribosyl)acetamidine = ADP + phosphate + 5-amino-1-(5-phospho-D-ribosyl)imidazole
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 ℃.