Creative Enzymes®

phosphoribosylaminoimidazolesuccinocarboxamide synthase

Cat. No. EXWM-5769

Lot. No. (See product label)

Introduction

Description	Forms part of the purine biosynthesis pathway.
Synonyms	phosphoribosylaminoimidazole-succinocarboxamide synthetase; PurC; SAICAR synthetase; 4-(N-succinocarboxamide)-5-aminoimidazole synthetase; 4-[(N-succinylamino)carbonyl]-5-aminoimidazole ribonucleotide synthetase; SAICARs; phosphoribosylaminoimidazolesuccinocarboxamide synthetase; 5-aminoimidazole-4-N-succinocarboxamide ribonucleotide synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.2.6
CAS No.	9023-67-0
Reaction	ATP + 5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxylate + L-aspartate = ADP + phosphate + (S)-2-[5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamido]succinate
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 ℃.