

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 $\text{ATP} + 5\text{-amino-1-(5-phospho-D-ribose)imidazole-4-carboxylate} + \text{L-aspartate} = \text{ADP} + \text{phosphate} + (\text{S})\text{-2-[5-amino-1-(5-phospho-D-ribose)imidazole-4-carboxamido]succinate}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.