Creative Enzymes®

nicotinate-nucleotide-dimethylbenzimidazole phosphoribosyltransferase

Cat. No. EXWM-2649

Lot. No. (See product label)

Introduction

Description Also acts on benzimidazole, and the clostridial enzyme acts on adenine to form 7-α-D-ribosyladenine 5'-phosphate. The product of the reaction, α-ribazole 5'-phosphate, forms part of the corrin-biosynthesis pathway and is a substrate for EC 2.7.8.26, adenosylcobinamide-GDP ribazoletransferase. It can also be dephosphorylated to form α-ribazole by the action of EC 3.1.3.73, α-ribazole phosphatase.

Synonyms nicotinate mononucleotide-dimethylbenzimidazole phosphoribosyltransferase; nicotinate ribonucleotide:benzimidazole (adenine) phosphoribosyltransferase; nicotinate-nucleotide:dimethylbenzimidazole phospho-D-ribosyltransferase; CobT; nicotinate mononucleotide (NaMN):5,6-dimethylbenzimidazole phosphoribosyltransferase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.4.2.21

CAS No. 37277-76-2

Reaction β-nicotinate D-ribonucleotide + 5,6-dimethylbenzimidazole = nicotinate + α-ribazole 5'-phosphate

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 ℃.