

## 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- $\alpha$ -D-ribosyladenine 5'-phosphate. The product of the reaction,  $\alpha$ -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  $\alpha$ -ribazole by the action of EC 3.1.3.73,  $\alpha$ -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

$\beta$ -nicotinate D-ribonucleotide + 5,6-dimethylbenzimidazole = nicotinate +  $\alpha$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.