

nicotinate-nucleotide diphosphorylase (carboxylating)

Cat. No. EXWM-2646

Lot. No. (See product label)

Introduction

Description

The reaction is catalysed in the opposite direction. Since quinolinate is synthesized from L-tryptophan in eukaryotes, but from L-aspartate in some prokaryotes, this is the first NAD⁺ biosynthesis enzyme shared by both eukaryotes and prokaryotes.

Synonyms

quinolinate phosphoribosyltransferase (decarboxylating); quinolinic acid phosphoribosyltransferase; QAPRTase; NAD⁺ pyrophosphorylase; nicotinate mononucleotide pyrophosphorylase (carboxylating); quinolinic phosphoribosyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.2.19

CAS No.

37277-74-0

Reaction

β -nicotinate D-ribonucleotide + diphosphate + CO₂ = pyridine-2,3-dicarboxylate + 5-phospho- α -D-ribose 1-diphosphate

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.