Creative Enzymes®

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