

NAD⁺-dinitrogen-reductase ADP-D-ribosyltransferase

Cat. No. EXWM-2665

Lot. No. (See product label)

Introduction

Description

The combined action of this enzyme and EC 3.2.2.24, ADP-ribosyl-[dinitrogen reductase] hydrolase, controls the activity level of nitrogenase (EC 1.18.6.1). In the presence of ammonium, the product of nitrogenase, this enzyme covalently links an ADP-ribose moiety to a specific arginine residue of the dinitrogenase reductase component of nitrogenase, blocking its activity.

Synonyms

NAD-azoferredoxin (ADPribose)transferase; NAD-dinitrogen-reductase ADP-D-ribosyltransferase; draT (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.2.37

CAS No.

117590-45-1

Reaction

NAD⁺ + [dinitrogen reductase]-L-arginine = nicotinamide + [dinitrogen reductase]-N ω - α -(ADP-D-ribosyl)-L-arginine

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.