

phosphonoacetaldehyde reductase (NADH)

Cat. No. EXWM-0220

Lot. No. (See product label)

Introduction

Description

The enzyme from *Streptomyces viridochromogenes* catalyses a step in the biosynthesis of phosphinothricin tripeptide, the reduction of phosphonoacetaldehyde to 2-hydroxyethylphosphonate. The preferred cofactor is NADH, lower activity with NADPH.

Synonyms

PhpC

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.309

Reaction

2-hydroxyethylphosphonate + NAD⁺ = phosphonoacetaldehyde + NADH + H⁺

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.