Creative Enzymes®

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