Creative Enzymes®

phosphonoacetaldehyde hydrolase

Cat. No. EXWM-3774

Lot. No. (See product label)

Introduction

Description	This enzyme destabilizes the C-P bond, by forming an imine between one of its lysine residues and the carbonyl group of the substrate, thus allowing this, normally stable, bond to be broken. The mechanism is similar to that used by EC 4.1.2.13, fructose-bisphosphate aldolase, to break a C-C bond. Belongs to the haloacetate dehalogenase family.
Synonyms	phosphonatase; 2-phosphonoacetylaldehyde phosphonohydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.11.1.1
CAS No.	37289-42-2
Reaction	phosphonoacetaldehyde + H2O = acetaldehyde + phosphate
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 ℃.