Creative Enzymes®

poly(3-hydroxyoctanoate) depolymerase

Cat. No. EXWM-3504

Lot. No. (See product label)

Introduction

Description	The main product after prolonged incubation is the dimer. Besides hydrolysing polymers of 3-hydroxyoctanoic acid, the enzyme also hydrolyses other polymers derived from medium-chain-length (C6-C12) hydroxyalkanoic acids and copolymers of mixtures of these. It also hydrolyses p-nitrophenyl esters of fatty acids. Polymers of short-chain-length hydroxyalkanoic acids such as poly[(R)-3-hydroxybutanoic acid] and poly[(R)-3-hydroxypentanoic acid] are not hydrolysed.
Synonyms	PHO depolymerase; poly(3HO) depolymerase; poly[(R)-hydroxyalkanoic acid] depolymerase; poly(HA) depolymerase; poly(HAMCL) depolymerase; poly[(R)-3-hydroxyoctanoate] hydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.76
Reaction	Hydrolyses the polyester poly{oxycarbonyl[(R)-2-pentylethylene]} to oligomers
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 ℃.