

penicillin amidase

Cat. No. EXWM-4389

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amides. The systematic name of this enzyme class is penicillin amidohydrolase. Other names in common use include penicillin acylase, benzylpenicillin acylase, novozym 217, semacylase, alpha-acylamino-beta-lactam acylhydrolase, and ampicillin acylase. This enzyme participates in penicillin and cephalosporin biosynthesis.

Synonyms

penicillin acylase; benzylpenicillin acylase; novozym 217; semacylase; α -acylamino- β -lactam acylhydrolase; ampicillin acylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.1.11

CAS No.

9014-06-6

Reaction

penicillin + H₂O = a carboxylate + 6-aminopenicillanate

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.