

## Native Pseudomonas sp. Polymyxin Acylase

Cat. No. NATE-0611

Lot. No. (See product label)

### Introduction

#### Description

Polymyxin acylase, from Pseudomonas sp. deacylates polymyxin group antibiotics and long-chain fatty acyl groups of proteins. Polymyxin acylase has an affinity for long-chain fatty acyl proteins in human carcinoma cells.

#### Applications

Polymyxin acylase, from Pseudomonas sp., is a N-myristoyl cleaving enzyme that has been used to determine the N-myristoyl peptide sequence and may be useful in cancer research since it has antitumor activity against murine and human tumor cells.

#### Synonyms

Polymyxin Acylase; Peptide N-fatty acylase

### Product Information

#### Source

Pseudomonas sp.

#### CAS No.

111174-43-7

#### Activity

> 0.1 units/mg solid

#### Unit Definition

One unit will hydrolyze 1  $\mu$ mole of N-octanoyl-5-aminovaleric acid per min at pH 8.0 at 37°C.

### Storage and Shipping Information

#### Stability

–20°C