

## 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