

Compound lysozyme (3000)

Cat. No. CLGZ-003

Lot. No. (See product label)

Introduction

Description

Compound lysozyme (3000) is a food-grade enzyme preparation that hydrolyzes beta-(1->4) glycosidic linkages in bacterial peptidoglycan.

Applications

Food-processing enzyme formulations requiring controlled hydrolysis of bacterial cell-wall peptidoglycan.

Synonyms

Lysozyme; Muramidase; Peptidoglycan N-acetylmuramoylhydrolase

Product Information

Source

Microbial fermentation

EC Number

EC 3.2.1.17

Activity

3,000 U/mg

Specific Activity

3,000 U/mg

Specificity

Hydrolyzes beta-(1->4) linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in peptidoglycan.

Function

Catalyzes hydrolysis of the glycan backbone of bacterial peptidoglycan.

Substrates

Bacterial peptidoglycan

Grade

Food grade

Reaction

Hydrolysis of (1->4)-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in peptidoglycan.