

## Mutanolysin

## Chemical Properties

CAS No. : 55466-22-3

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Mutanolysin belongs to the class of N-acetylmuramidases and is a biochemical reagent used for the lysis of Gram-positive bacteria. Mutanolysin effectively hydrolyzes the peptidoglycan in bacterial cell walls and is frequently utilized to prepare high-quality nucleic acids and intact ribosomal RNA from Gram-positive species like Listeria. It is widely employed in microbiology for cell lysis and molecular biology sample preparation.
Targets(IC50)	Antibacterial
In vitro	In vitro, the use of Mutanolysin for the lysis of Listeria and other Gram-positive bacteria has been demonstrated to be a rapid and efficient method. This process achieves complete cell disruption while maintaining the structural integrity of intracellular macromolecules, such as ribosomal RNA, facilitating subsequent molecular detection and sequence analysis [1].

## Reference

Fliss I, et al. A rapid and efficient method of lysis of Listeria and other gram-positive bacteria using mutanolysin. Biotechniques. 1991 Oct;11(4):453, 456-7.

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