

## Penicillinase

Cat. No.:	HY-E70012
CAS No.:	9001-74-5
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Penicillinase

### BIOLOGICAL ACTIVITY

#### Description

Penicillinase is a beta-lactamase. beta-lactamase enzymes inactivate beta-lactam antibiotics by hydrolyzing the peptide bond of the characteristic four-membered beta-lactam ring rendering the antibiotic ineffective<sup>[1]</sup>.

### REFERENCES

[1]. Majiduddin FK, Materon IC, Palzkill TG. Molecular analysis of beta-lactamase structure and function. Int J Med Microbiol. 2002 Jul;292(2):127-37.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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