

β-Lactamase

Cat. No.:	HY-P2998
CAS No.:	9073-60-3
Target:	Biochemical Assay Reagents; Beta-lactamase
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

β-Lactamase

BIOLOGICAL ACTIVITY

Description	β-Lactamase is the enzyme produced by bacteria. β-Lactamase mediates β-lactam resistance ^[1] .
In Vitro	In Gram-negative bacteria, β-Lactamase enzyme that hydrolyze the amide bond of the four-membered β-lactam ring are the primary resistance mechanism, with multiple enzymes disseminating on mobile genetic elements across opportunistic pathogens such as Enterobacteriaceae (e.g., Escherichia coli) and non-fermenting organisms (e.g., Pseudomonas aeruginosa). β-Lactamases divide into four classes; the active-site serine β-lactamases (classes A, C and D) and the zinc-dependent or metallo-β-lactamases (MBLs; class B). MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tooke CL, et al. β-Lactamases and β-Lactamase Inhibitors in the 21st Century. J Mol Biol. 2019 Aug 23;431(18):3472-3500.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA