

Product Name & Product No.

Product Name: Ampicillin Sodium 【69-52-3】
Product No.: A010

Spec.

D(-)-Alpha-Aminobenzylpenicilline
Sodium Salt
Solubility in water: >20g/100mL
Tested in cell culture and molecular biology.

Description

A β -lactam antibiotic with an amino group side chain attached to the penicillin structure. Penicillin derivative that inhibits bacterial cell-wall synthesis (peptidoglycan cross-linking) by inactivating transpeptidases on the inner surface of the bacterial cell membrane. Bactericidal only to growing Escherichia coli . Mode of resistance: Cleavage of β -lactam ring of ampicillin by β -lactamase. Antimicrobial spectrum: Gram-negative and Gram-positive bacteria.

For molecular biology applications, this product is recommended for use at 20-60 ug/ml.

Ampicillin solutions should not be autoclaved. Stock solutions (50 mg/ml) should be sterilized by filtration through a 0.22 μ m filter.

Stock Conc.: 50 mg/mL in water, Store at -20 °C

Working Conc.: 20-60 ug/mL

Storage

Store at 4 °C