

Data sheet

Carbenicillin disodium salt

Cat. No: AB007

Cat. No: AB008

Introduction

Carbenicillin Disodium Salt is a semi-synthetic penicillin antibiotic with a relatively greater spectrum of activity against Gram-negative bacteria. As penicillin, is susceptible to β -lactamase, which hydrolyzes the β -lactam ring.

Ampicillin is widely used in cell culture as a selective agent. Inhibits bacterial cell-wall synthesis by inactivating transpeptidases on the inner surface of the bacterial cell membrane.



α -Carboxybenzylpenicillin disodium salt

Technical specification

- ✓ CAS Number: 4800-94-6
- ✓ MDL: MFCD00077683
- ✓ Formula: $C_{17}H_{16}N_2Na_2O_6S$
- ✓ Formula Weight: 422.36 g/mol
- ✓ Soluble in water (50 mg/ml)

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.canvaxbiotech.com for Material Safety Data Sheet of the product.

Product Size

	AB007	AB008
Carbenicillin Sodium salt	1g	5g

Storage conditions

Store at **2 - 8 °C**

Stock solution: Prepare a stock solution with a concentration of 50 mg/ml in water and filter sterilize. Store the stock solution at **-20°C**. The working concentration varies from 20 - 100 μ g/ml.

Application

- ✓ Used to select for ampicillin resistance in mutated and transformed cells (preferred over ampicillin due to its increased stability).
- ✓ Commonly used for the elimination of *Agrobacterium* species after inoculation.

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Notes

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