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DATA SHEET

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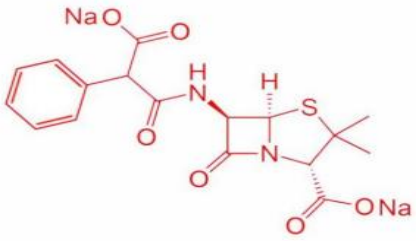
1. Identification

Product name **Carbenicillin disodium salt**
1 g

Cat. No **AB007**

2. Description

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. Carbenicillin 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.



3. Specifications

- CAS Number: 4800-94-6
- MDL: MFCD00077683
- Formula: C17H16N2Na2O6S
- Formula Weight: 422.36 g/mol
- Soluble in water (50 mg/ml)

4. Storage specifications

Store at 2 - 8 ˚C

5. Applications

- 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.

6. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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