

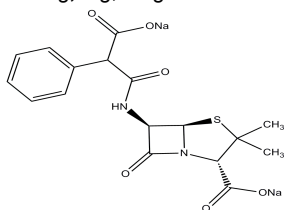
**Product: Carbenicillin disodium**

**ALTERNATE NAME:** α-Carboxybenzylpenicillin disodium salt

**CATALOG #:** 2485-1G, 5G, 10G

**AMOUNT:** 1 g, 5 g, 10 g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>6</sub>S

**MOLECULAR WEIGHT:** 422.36

**CAS No.** 4800-94-6

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** H<sub>2</sub>O (~50 mg/ml)

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Carbenicillin disodium is a member of the carboxypenicillin β-lactam antibiotic family. Inhibits bacterial cell-wall synthesis by inactivating transpeptidases on the inner surface of the bacterial cell membrane. Unlike most β-lactams, carbenicillin disodium is limited to primarily gram negative bacteria including *Pseudomonas aeruginosa* and common enteric species. Carbenicillin is routinely used to select for mammalian cells containing the pET28 resistance plasmid in the Rosetta 2 cell line at an effective concentration of 50 μg/ml.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- Ampicillin trihydrate (Cat. No. 2483-1 G, 5G, 25 G)
- Ampicillin sodium (Cat. No. 2484-1G, 5G, 25G)
- Betulinic Acid (Cat. No. 1552-25)
- Bexarotene (Cat. No. 1575-5, 50)
- Blasticidin S, Hydrochloride (Cat. No. 1859-25,100)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (Cat. No. 1553-100)
- Cisplatin (Cat. No. 1550-100,1000)
- Cycloheximide (Cat. No. 1041-1G, 5G)
- Cycloheximide (100 mM) (Cat. No. 1041-1)
- Daunorubicin.HCl (1524-10,50,500)
- Doxorubicin HCl (Cat. No. 1527-5)
- Fludarabine Phosphate (Cat. No. 1763-10, 50)
- G-418 Sulfate (Cat. No. 1557-100, 5G, 25G)
- Gemcitabine Hydrochloride (Cat. No. 1759-25, 100)
- Genistein (Cat. No. 1533-10)
- Nedaplatin (Cat. No. 1576-5)
- Oxaliplatin (Cat. No. 1577-25)
- Paclitaxel (Cat. No. 1567-25)
- Puromycin DiHydrochloride (Cat. No. 1860-25, 100, 250, 500,1000)
- EZSolution™ Puromycin Dihydrochloride (Cat. No. 1861-100)
- Streptozocin (Cat. No. 1930-100, 500, 1000)
- Tamoxifen Citrate (Cat. No. 1551-1000)

**FOR RESEARCH USE ONLY! Not to be used in humans.**