**PRODUCT:** Novobiocin Sodium Salt

**ALTERNATE NAME:** Albamycin; Cathomycin sodium; NSC-2382

**CATALOG #:** B1526-1G, 5G

**AMOUNT:** 1 g, 5 g

**STRUCTURE:**

![Structure of Novobiocin Sodium Salt]

**MOLECULAR FORMULA:** C$_{31}$H$_{35}$N$_2$NaO$_{11}$

**MOLECULAR WEIGHT:** 634.61

**CAS NUMBER:** 1476-53-5

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

**SOLUBILITY:** H$_2$O (~50 mg/ml)

**PURITY:** ≥90%

**STORAGE:** Store at +4 ºC. Protect from air and moisture

**DESCRIPTION:** Novobiocin is a coumarin antibiotic isolated from Streptomyces species, that inhibits the ATPase activity of DNA gyrase. Its antibacterial activity arises from competitive inhibition of the ATPase reaction catalyzed by the GyrB subunit. In addition to permitting relaxation of negative supercoils, novobiocin has been used to generate positively supercoiled DNA. It has also been shown to inhibit the chaperone activity of Hsp90 as well as acting as an inhibitor of DNA Topoisomerase II.

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

**USAGE:** FOR RESEARCH CH USE ONLY! Not to be used in humans

**RELATED PRODUCTS:**
- Amphotericin B (Cat. No. 2497-250, 1G, 5G)
- Amoxicillin trihydrate (Cat. No. 2483-1 G, 5G, 25 G)
- Amoxicillin sodium (Cat. No. 2484-1G, 5G, 25G)
- EZSolution™ Amoxicillin sodium (Cat. No. 2499-10)
- 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)
- Chloramphenicol (Cat. No. 2486-25G, 100G, 500G)
- Cefotaxime Sodium, USP (Cat. No. B1510-1G, 5G, 25G)
- 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)
- Fluorouracil 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)
- Penicillin G sodium (Cat. No. 2503-100, 500)
- Penicillin G potassium (Cat. No. 2504-25, 100)
- Polymyxin B Sulfate (Cat. No. 2496-10, 50, 100)
- 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)
- Vancomycin Hydrochloride (Cat. No. B1507-250, 1G, 5G)