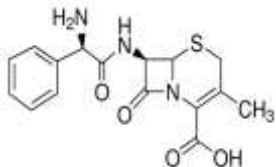


**PRODUCT: Cephalexin Hydrate****ALTERNATE NAME:** Cephalexin hydrate; Cephalexin monohydrate; Aristosporin; Cefalexgobens; Cephalobene**CATALOG #:** B1522-5G, 25G**AMOUNT:** 5 g, 25 g**STRUCTURE:****MOLECULAR FORMULA:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>4</sub>S.H<sub>2</sub>O**MOLECULAR WEIGHT:** 365.4**CAS NUMBER:** 15686-71-2**APPEARANCE:** White to off-white solid**SOLUBILITY:** 1 M NH<sub>4</sub>OH (~25 mg/ml)**PURITY:** ≥95% by HPLC**STORAGE:** Store at +4 °C. Protect from air and moisture

**DESCRIPTION:** Cephalexin is a cephalosporin antibiotic used to study the effect of expression, binding, and inhibition of PBP3 and other penicillin-binding proteins (PBPs) on bacterial cell wall mucopeptide synthesis. It is active against most Gram-positive cocci, including penicillinase-producing *Staphylococci*, and against Gram-negative bacteria such as *N. gonorrhoeae*, *E. coli*, *K. pneumoniae*, *Salmonellae*, *Shigella*, and some strains of *H. influenzae*. It is not effective against *Proteus* species, *Pseudomonas*, or mycobacteria.

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

Amphotericin B (Cat. No. 2497-250, 1G, 5G)  
 Ampicillin trihydrate (Cat. No. 2483-1 G, 5G, 25 G)  
 Ampicillin sodium (Cat. No. 2484-1G, 5G, 25G)  
 EZSolution™ Ampicillin sodium (Cat. No. 2499-10)  
 Betulinic Acid (Cat. No. 1552-25)  
 Bexarotene (Cat. No. 1575-5, 50)  
 Blastidicin 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)  
 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)  
 Nystatin, USP Grade (Cat. No. B1509-1G, 5G, 25G)  
 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)  
 Timentin (Cat. No. B1508-1G, 5G, 25G)  
 Vancomycin Hydrochloride (Cat. No. B1507-250, 1G, 5G)

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