

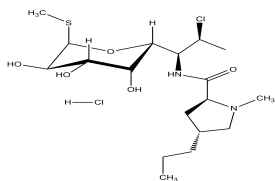
**Product: Clindamycin hydrochloride**

**ALTERNATE NAME:** (methyl 7-chloro-6,7,8-trideoxy-6-[[[(2S,4R)-1-methyl-4-propyl-2-pyrrolidinyl]carbonyl]amino]-1-thio-L-threo- $\alpha$ -D-galactooctopyranoside hydrochloride; 7S)-7-Chloro-7-deoxylincomycin hydrochloride; lincosamide antibiotic

**CATALOG #:** 2627-10, 50

**AMOUNT:** 10 mg, 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>33</sub>ClN<sub>2</sub>O<sub>5</sub>S · HCl

**MOLECULAR WEIGHT:** 461.44

**CAS No.** 21462-39-5

**APPEARANCE:** White solid

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

**POTENCY:** >835  $\mu$ g/mg

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

**DESCRIPTION:** Clindamycin is a broad spectrum antibiotic targeting primarily gram positive and gram negative bacteria such as Clostridium and Bacteroides species. It inhibits bacterial protein synthesis by binding the 50S ribosomal subunit and interfering with tRNA activity during translation.

**REFERENCES:** Dhawan, V.K., and Thadepalli, H. (1982). *Rev. Infect. Dis.* **4**, 1133-1153.

**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)
- Blasticidin S, Hydrochloride (Cat. No. 1859-25,100)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (Cat. No. 1553-100)
- Caspofungin acetate (Cat. No. 2584-5, 25)
- Chloramphenicol (Cat. No. 2486-25G, 100G, 500G)
- Cisplatin (Cat. No. 1550-100,1000)
- Cycloheximide (Cat. No. 1041-1G, 5G)
- Cycloheximide (100 mM) (Cat. No. 1041-1)
- Daptomycin (Cat. No. 2582-10, 50)
- 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)
- 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)

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