



# LKT Laboratories, Inc.

## Cefotaxime Sodium

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** C1633

**CAS No.** 64485-93-4

**Chemical Name** (6R,7R)-3-[(Acetyloxy)methyl]-7-[[[(2Z)-(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid sodium salt

**Synonym** Cefotaxim sodium salt, Cefotax, Claforan, Pretor, Tolycar

**Formula** C<sub>16</sub>H<sub>16</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub>Na

**Formula Wt.** 477.45

**Melting Point** 162-163 °C (dec)

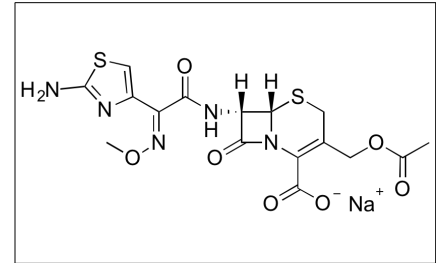
**Purity** ≥96%

**Solubility** Soluble in water.

**Store Temp** 4° C

**Ship Temp** Ambient

**Description** Cefotaxime is a third generation β-lactam cephalosporin antibiotic. Cefotaxime exhibits antibacterial efficacy against gram positive and gram negative bacteria, inhibiting penicillin binding proteins to prevent peptidoglycan synthesis and bacterial cell wall formation. Cefotaxime is also mostly resistant to β-lactamase activity.



**Bulk quantities available upon request**

Product ID	Size
C1633	500 mg
C1633	1 g
C1633	5 g

**References** Philpott-Howard J, Williams JD. Activity of cephalosporin antibiotics against Haemophilus influenzae. Scand J Infect Dis Suppl. 1983;39:109-11. PMID: 6606223.

LeFrock JL, Prince RA, Leff RD. Mechanism of action, antimicrobial activity, pharmacology, adverse effects, and clinical efficacy of cefotaxime. Pharmacotherapy. 1982 Jul-Aug;2(4):174-84. PMID: 6302641.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.