



LKT Laboratories, Inc.

## Cefotaxime Acid

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### Product Information

**Product ID** C1632

**CAS No.** 63527-52-6

**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

**Synonym** Cefotaxime, 7-[2-(2-amino-4-thiazolyl)-2-methoxyimino- acetamido]-cephalosporanic acid

**Formula** C<sub>16</sub>H<sub>17</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub>

**Formula Wt.** 455.47

**Melting Point**

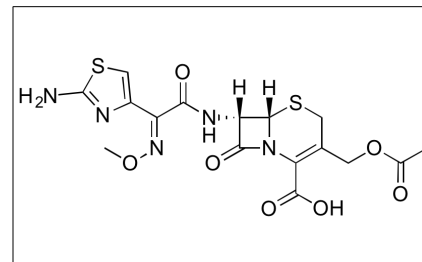
**Purity** ≥91%

**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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
C1632	100 mg	\$71.70
C1632	500 mg	\$112.40
C1632	1 g	\$187.30
C1632	5 g	\$599.30

**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.