



# LKT Laboratories, Inc.

## Cloxacillin Sodium Monohydrate

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### Product Information

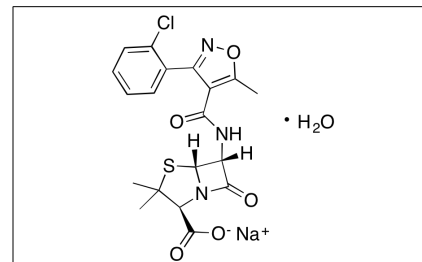
**Product ID** C4756  
**CAS No.** 7081-44-9  
**Chemical Name** 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxylic acid, 6-(3-(2-chlorophenyl)-5-methyl-4-isoxazolecarboxamido)-3,3-dimethyl-7-oxo-, monosodium salt, (2S,5R,6R)-  
**Synonym** Bactopen, Cloxapen, Cloxypen, Ekvacillin, Orbenin, Methocillin-S.

**Formula**  $C_{19}H_{17}ClN_3NaO_5S \cdot H_2O$   
**Formula Wt.** 475.88  
**Melting Point** 170° C (dec)  
**Purity** ≥98%  
**Solubility** Soluble in water, methanol, ethanol or pyridine.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Cloxacillin is a  $\beta$ -lactam antibiotic that displays antibacterial efficacy against a variety of species; it is especially active versus *Staphylococcus*. Like other  $\beta$ -lactam antibiotics, this compound binds penicillin binding proteins.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
C4756	1 g	\$58.00
C4756	5 g	\$162.10
C4756	25 g	\$463.20

**References** Sawai T, Yamaguchi A. Mechanism of beta-lactamase inhibition: differences between sulbactam and other inhibitors. *Diagn Microbiol Infect Dis.* 1989 Jul-Aug;12(4 Suppl):121S-129S. PMID: 2591172.

Barza M. Antimicrobial spectrum, pharmacology and therapeutic use of antibiotics. Part 2: penicillins. *Am J Hosp Pharm.* 1977 Jan;34(1):57-67. PMID: 318800.

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