



LKT Laboratories, Inc.

Piperacillin Sodium

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Product Information

Product ID P3463

CAS No. 59703-84-3

Chemical Name [[2S-[2 α ,5 α ,6B(S*)]]-6-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)carbonyl]amino]-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, monosodium salt

Synonym Pentacillin, Pipracil, CL 227193, Isipen, T-1220.

Formula C₂₃H₂₆N₅O₇Na

Formula Wt. 539.54

Melting Point 183-185°C (dec)

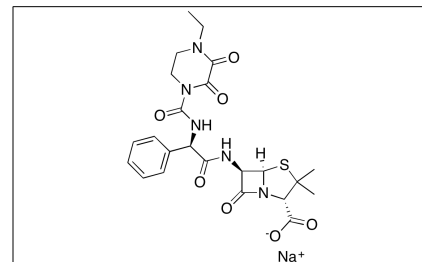
Purity ≥95%

Solubility Soluble in water and alcohols.

Store Temp Ambient

Ship Temp Ambient

Description Piperacillin is a β -lactam antibiotic that inhibits bacterial cell wall synthesis. Piperacillin is often paired with a β -lactamase inhibitor such as Tazobactam, improving its antibacterial efficacy.



Bulk quantities available upon request

Product ID	Size
P3463	1 g
P3463	5 g
P3463	10 g

References Fernández-Canigia L, Litterio M, Legaria MC, et al. First national survey of antibiotic susceptibility of the Bacteroides fragilis group: emerging resistance to carbapenems in Argentina. Antimicrob Agents Chemother. 2012 Mar;56(3):1309-14. PMID: 22232282.

Bonfiglio G, Laksai Y, Franceschini N, et al. In vitro activity of piperacillin/tazobactam against 615 Pseudomonas aeruginosa strains isolated in intensive care units. Chemotherapy. 1998 Sep-Oct;44(5):305-12. PMID: 9732144.

Kadima TA, Weiner JH. Mechanism of suppression of piperacillin resistance in enterobacteria by tazobactam. Antimicrob Agents Chemother. 1997 Oct;41(10):2177-83. PMID: 9333044.

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