Azlocillin sodium salt

Product Number: A 7926
Store at Room Temperature

**Product Description**

Molecular Formula: C_{20}H_{22}N_{5}O_{6}SNa
Molecular Weight: 483.5
CAS Number: 37091-65-9
Synonyms: D-α-[(imidazolidin-2-on-1-yl)carbonyl]amino)benzylpenicillin sodium salt, [2S-[2α,5α,6β(S*)]-3,3-dimethyl-7-oxo-6-[[2-oxo-1-imidazolyl(carbonyl)]amino]phenylacetyl]amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid sodium salt, sodium (6R)-6-[D-2-(2-oximidazolidine-1-carboxamido)-2-phenylacetamido]penicillanate

Azlocillin is a broad spectrum acylureido penicillin which has comparable antimicrobial action to piperacillin against such species as *Pseudomonas aeruginosa*. A review of the development of various pencillin compounds, including azlocillin, has been published. A time-survival study of the action of azlocillin against the *Pseudomonas aeruginosa* strain NCIMB 8295 has been reported.

The effect of azlocillin and other antibiotics on the endothelial cell viability of porcine aortic valves, via measurement of their in vitro prostacyclin production, has been probed. A screening of the activities of various antibiotics against *Helicobacter pylori*, including azlocillin, has been described, using concentrations of 0.25 - 2.00 µg/ml. The heat stability of several antibiotics, including azlocillin, at 56 °C and 121 °C, has been investigated. An HPLC assay for azlocillin and other antibiotics from biological fluids has been published.

**Precautions and Disclaimer**

For Laboratory Use Only. Not for drug, household or other uses.

**Preparation Instructions**

This product is soluble in water (50 mg/ml), yielding a clear to hazy, colorless to faint yellow solution.

**References**

1. The Merck Index, 12th ed., Entry# 947.