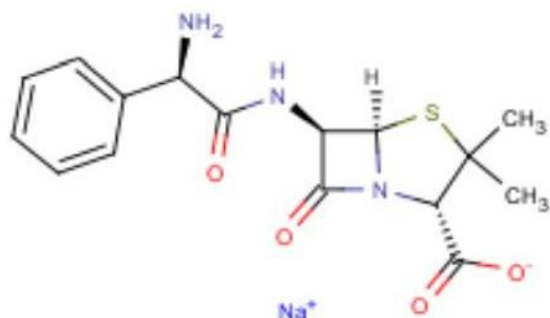


Ampicillin Sodium [69-52-3]

#Cat: NB-42-00073-25g	Size: 25g
#Cat: NB-42-00073-100g	Size: 100g
#Cat: NB-42-00073-250g	Size: 250g
#Cat: NB-42-00073-500g	Size: 500g
#Cat: NB-42-00073-1kg	Size: 1kg



Product Information:

Chemical Name: Ampicillin Sodium

1. Physical And Chemical Properties:

Batch Molecular Formula: C₁₆H₁₈N₃NaO₄S

Batch Molecular Weight: 371.39 g/mol

CAS No.: [69-52-3]

Physical Appearance: White/almost white crystalline powder

Melting Point: 215(dec.) °C

Storage: Store at 4°C

Solvent and solubility:

Soluble to 50 mg/mL in water.

Biological activity:

Ampicillin salt is an antibiotic that inhibits bacterial cell-wall synthesis. Active against Gram-negative bacteria. Inactivated by lactamases. Suitable for use in research that uses ampicillin-resistant plasmids.

References:

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Wu, M.H., and Yung, B.Y. 1994. Eur. J. Pharmacol.270, 203.
Betzl, C., et al. 1993. Biochim. Biophys. Acta1161, 47.
Yung, B.Y., et al. 1992. Int. J. Cancer52, 317.
Martin, S.J., et al. 1990. J. Immunol.145, 1859.
Yung, B.Y., et al. 1990. Cancer Res.50, 5987.
White, R.J., and Phillips, D.R. 1985. Biochemistry27, 9122.
Madharavao, M., et al. 1978. J. Med. Chem. 21, 958.
Sengupta, S.K., et al. 1975. J. Med. Chem. 18, 1175.

Analytical data:

Identity: Conforms to reference

pH:9.0

Water content:0.7%

Bacterial endotoxins: <0.15EU per mg

Sterility: Meets the requirements Methylene
chloride:0.03%

Assay (anhydrous basis): 94.5%

Conclusion: Complies with EP standard

- CAUTION - Not fully tested. For Research use only. Not for human use. –