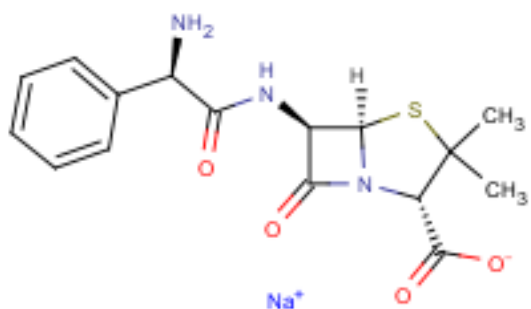


Ampicillin Sodium

Cat # NB-42-00073-25g size: 25g

Cat # NB-42-00073-100g size: 100g

Cat # NB-42-00073-250g size: 250g



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

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

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

- Nakajima, M., et al. 1994. *Neurosci. Lett.*176, 161.
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White, R.J., and Phillips, D.R. 1985. *Biochemistry*27, 9122.
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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

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