



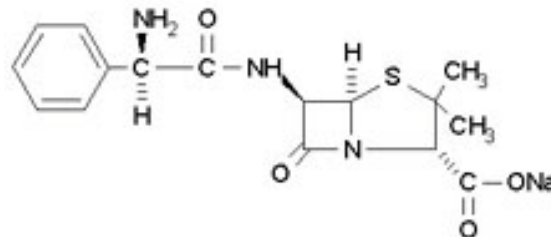
Product Information Sheet

A116 Ampicillin, Sodium Salt

Synonyms: D(-)- α -Aminobenzylpenicillin, Sodium Salt
CAS: 69-52-3
Formula: C₁₆H₁₈N₃NaO₄S
Mol. Weight: 371.4

Properties

Form: Powder
Appearance: White to Off-White Powder
Solubility: Soluble in Water and DMSO
Application: Plant Tissue Culture Antibiotic
Storage Temp: 2 to 6 °C
Other Notes: This product is hygroscopic²



Application Notes

Ampicillin is broad-spectrum beta-lactam antibiotic. It's a semi-synthetic derivative of penicillin and has a similar mode of action to that of benzylpenicillin against gram-positive organisms; however, it is more effective against gram-negative bacilli such as *Haemophilus influenza* and Enterobacteriaceae such as *Escherichia coli*.^{2,3} Ampicillin's activity is inactivated in the present of beta-lactamases.²

Please Note: It is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

References

1. Merck **13**, 591
2. Martindale: *The Complete Drug Reference*, 35th Ed., p. 181-182 (2007).
3. Sutherland, R. and G.N> Rolinson. 1964. Acitivity of ampicillin *in vitro* compared with other antibiotics. *J. Clin. Path.* 17:461.