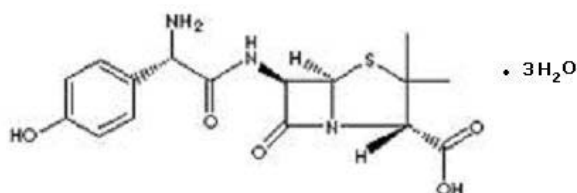


Product Information Sheet

A122

Amoxicillin Trihydrate



Synonyms: (2S,5R,6R)-6-[[[(2R)-Amino(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid Trihydrate

CAS: 61336-70-7

Formula: C₁₆H₁₉N₃O₅S•3H₂O

Mol. Weight: 419.5

Properties

Form: Powder
 Appearance: White to Off-White Powder
 Application: Plant Tissue Culture Antibiotic
 Solubility: Solubility per the Merck Index in Water is 4 mg/mL and Methanol is 7.5 mg/mL.
 Storage Temp: 2 to 6 °C

Application Notes

Amoxicillin is a beta-lactam antibiotic with spectrum activities similar to that of ampicillin. It's effective against most gram positive and gram negative bacteria by inhibiting bacterial cell-wall synthesis. Similar to other beta lactam antibiotics, amoxicillin activity is inhibited by beta lactamase producing microbes. Enhancement of activity has been reported when use in combination with a beta-lactam inhibitor such clavulanic acid.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, 582.
2. Martindale: The Complete Drug Reference, 35th ed., Paul S. Blake, Ed. (Royal Pharmaceutical Society, 2007), p. 179.

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