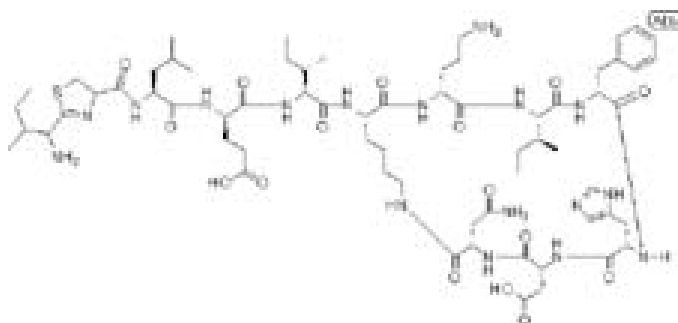




Product Information Sheet

B132

Bacitracin Zinc



Synonym: N/A
CAS: 1405-89-6
Formula: C₆₆H₁₀₁N₁₇O₁₆SZn
Molecular Wt: 1486.07

Properties

Form: Powder
Appearance: Cream to Tan Powder
Application: Plant Tissue Culture Antibiotic
Solubility: Soluble in Water at 5.1 mg/mL (28° C); also soluble in methanol at 6.55 mg/mL, ethanol at 2.0 mg/mL, and isopropanol at 0.16 mg/mL per the Merck Index. *PhytoTechnology Labs* tests solubility at 1.0 mg/mL in DMSO.
Storage Temp: 2 to 6° C
Storage Temp of Stock Solution: The preparation of stock solutions is not recommended. Bacitracin has been observed to lose potency in solution (Merck Index). For optimal potency solutions should be prepared fresh.
Other Notes: Bacitracin interferes with cell wall biosynthesis in Gram-positive bacteria. It is also active in some Gram-negative organisms although most are resistant.

Application Notes

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

Merck 13, 938

Martindale: The Complete Drug Reference, 2007

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