PRODUCT DATA SHEET

Mitomycin C

Synonyms: Mitomycin, Mitomycin S, Mitomycin E, Ametycine, Mitocin C, Mutamycin, NSC 26980

Specifications

CAS # : 50-07-7
Molecular Formula : C₁₅H₁₈N₄O₅
Molecular Weight : 334.3
Source : Streptomyces sp.
Appearance : Blue solid
Purity : >98% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO. Moderate water solubility.

Application Notes

Mitomycin C is the most studied of a family of highly distinctive blue/purple metabolites produced by several Streptomyces species. Mitomycin C exhibits potent antibacterial and antitumor activity and inhibits DNA synthesis by intercalation, blocking nuclear division with the induction of apoptosis in cancer cells.

References