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Product Specification

Product Name:

Mitomycin C from Streptomyces caespitosus – ≥98% (HPLC), potency: ≥970 µg per mg (USP XXIV), γ-irradiated, suitable for cell culture

Product Number:

M7949

CAS Number:

50-07-7

Formula:

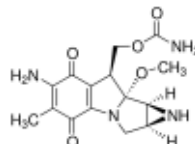
C₁₅H₁₈N₄O₅

Formula Weight:

334.33 g/mol

Storage Temperature:

2 - 8 °C



TEST

Specification

Appearance (Form)

Powder

Appearance (Colour)

Very Dark Blue

Solubility (Solvent)

Dimethylsulfoxide

Solubility (Conc)

0.95 - 1.05 mg/ml

Solubility (Turbidity)

Clear

Solubility (Color)

Light Purple to Very Dark Purple

Purity (HPLC)

≥ 98.0 %

Proton NMR spectrum

Conforms to Structure

Gamma-Irrad.(Gamma steriliz.)

Pass

Gamma-Irrad.(Measured Dose)

Min. 2.5 Mrad (25KGy)

Recommended Retest Period

2 Years

Specification: PRE.5.ZQ5.10000003569

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.