

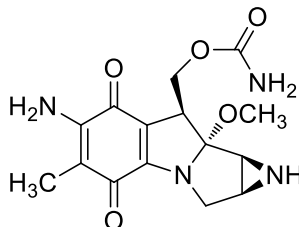
Catalog # 10-1170

Mitomycin C

CAS# 50-07-7

Natural fermentation product from *Streptomyces* sp.

Lot # X101141



DNA damaging and crosslinking agent. Induces apoptosis in various cell lines. Cell permeable. This product is not approved for human therapeutic use.

- 1) Tee and Proud (2000), *DNA-damaging agents cause inactivation of translational regulators linked to mTOR signaling*; *Oncogene*, **30** 21
- 2) Park *et al.* (2000), *Mitomycin C induces apoptosis in a caspases-dependent and Fas/CD95- independent manner in human gastric adenocarcinoma cells* ; *Cancer Lett.*, **158** 125
- 3) Merck Index 14:6215

PHYSICAL DATA

Molecular Weight:	334.33
Molecular Formula:	C ₁₅ H ₁₈ N ₄ O ₅
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 15 mg/ml), or water (up to 1 mg/ml with warming)
Physical Description:	Blue-violet solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.