



Mitomycin C

Data Sheet

Catalog Number:	MC11066	Product Type:	Small Molecule
Bio-Activity:	DNA crosslinking and damaging agent	CAS #:	50-07-7
Research Categories:	cell death, stem cells, infectious disease, cancer	Chemical Name:	Natural fermentation product from <i>Streptomyces</i> sp.
Solubility:	Soluble in DMSO (up to 15 mg/ml) or in Water (up to 1 mg/ml).	Molecular Formula:	C15H18N4O5
Purity:	> 98%	Molecular Weight:	334.3
Format:	Powder	Ship Temp:	Ambient
Storage:	-20°C		

Application Notes

Description/Data:

DNA damaging and crosslinking agent [1]. Induces apoptosis in various cell lines [2]. Cell permeable [3].

References:

- 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

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