



## Mitomycin C

## Data Sheet

<b>Catalog Number:</b>	MC11066	<b>Product Type:</b>	Small Molecule
<b>Bio-Activity:</b>	DNA crosslinking and damaging agent	<b>CAS #:</b>	50-07-7
<b>Research Categories:</b>	cell death, stem cells, infectious disease, cancer	<b>Chemical Name:</b>	Natural fermentation product from Streptomyces sp.
<b>Solubility:</b>	Soluble in DMSO (up to 15 mg/ml) or in Water (up to 1 mg/ml).	<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>18</sub> N <sub>4</sub> O <sub>5</sub>
<b>Purity:</b>	> 98%	<b>Molecular Weight:</b>	334.3
<b>Format:</b>	Powder	<b>Ship Temp:</b>	Ambient
<b>Storage:</b>	-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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