



Certificate of analysis

Productname: Mitomycin C

Cas number:50-07-7

Molecular Formula: C₂₇H₄₁NO₆S

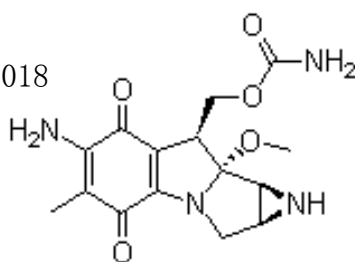
Molecular Weight: 507.68

Date of production:Feb. 06, 2018

Batch NO:20180206

Exp Date: Feb. 05, 2020

Chemical structure:



Items	Specifications	Results
Appearance	Violet-blue crystal or crystalline powder	Complies
Identification	IR Meet the requirements	Complies
	HPLC The retention time of the major peak in the chromatograms.corresponds to that in the reference standard	Complies
Solubility	soluble in acctone,in methanol,in butylacetate,and in cycloh.	Complies
Crystallinity	Compliance with USP	Complies
Water	Not more than 2.5%	1.4%
PH	6.0-7.5	6.8
Related substances	Albomitomycin C not more than 0.5%	0.10%
	Mitomycin B not more than 0.5%	N.D
	Cinnamamide not more than 0.5%	N.D
	Mitomycin A not more than 0.5%	N.D
	Any individual unspecified impurity not more than 0.5%	0.05%
	Tptal impurities not more than 2.0%	0.26%
Residual Solvents	Methanol not more than 3000ppm	1820ppm
	Ethyl ether not more than 6000ppm	18ppm
	Ethyl acetate not more than 5000ppm	N.D
Microbial Limit	Total Acrobic Bacteria not more than 100CFU/G	10CFU/G
	Total Combined Yeast not more than 50CFU/G	10CFU/G
Bacterial endotoxins	Not more than 10.0ceu/mg	Complies
Assay	Not less than 970 ug/mg	987ug/mg

Conclusion: It complies with the USP40 Standard.