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## CERTIFICATE OF ANALYSIS

Analysis Date:

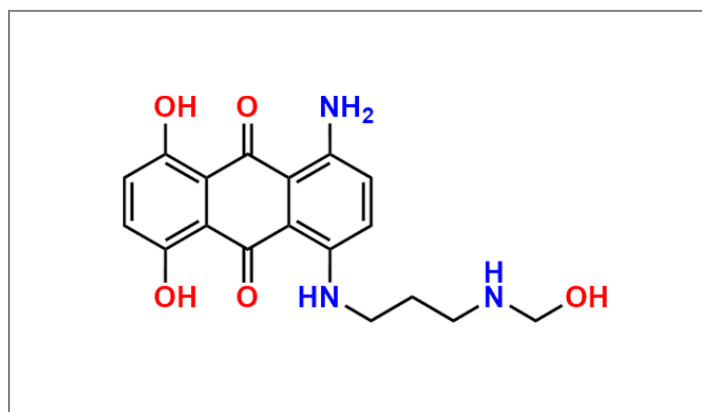
Re-test Date:

**Product Name: Mitoxantrone Impurity A**

**Identification:**

Chemical Name: Des[2-[(2-Hydroxyethyl)amino]ethyl] Mitoxantrone ; 1-Amino-5,8-dihydroxy-4-[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione

Synonyms : NA  
CAS Number : 89991-52-6  
CAT Number : CP-M55011  
Molecular Formula : C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>5</sub>  
Molecular Weight : 357.4



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.