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## CERTIFICATE OF ANALYSIS

Analysis Date:

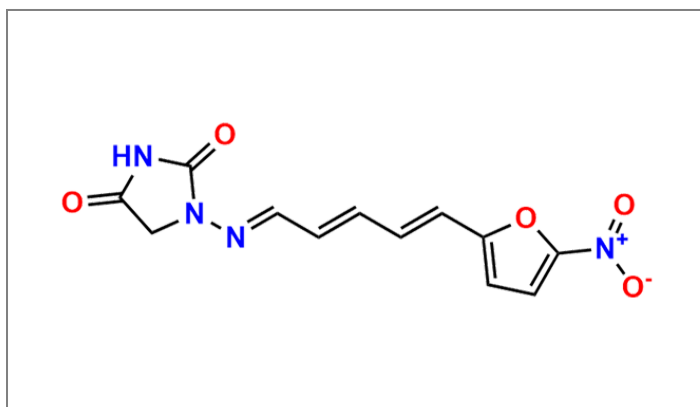
Re-test Date:

**Product Name: Nitrofurantoin Impurity 4**

### Identification:

Chemical Name: 1-(((1E,2E,4E)-5-(5-nitrofuran-2-yl)penta-2,4-dien-1-ylidene)amino)imidazolidine-2,4-dione

Synonyms : NA  
CAS Number : 3456-04-0  
CAT Number : CP-N12008  
Molecular Formula : C<sub>12</sub>H<sub>10</sub>N<sub>4</sub>O<sub>5</sub>  
Molecular Weight : 290.24



### 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	>98%
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.