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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

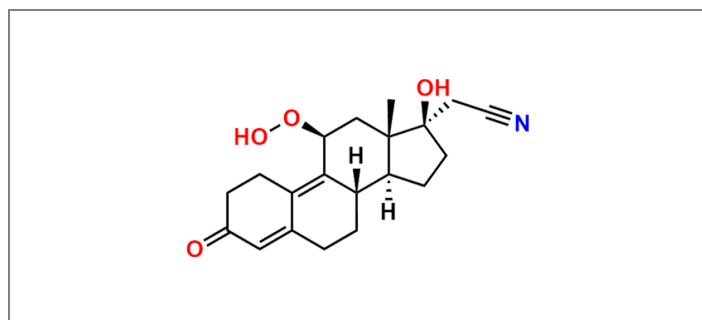
Re-test Date: Feb 2029

**Product Name: Dienogest EP Impurity K**

### Identification:

Chemical Name: (11-Hydroperoxy-17-hydroxy-3-oxoestra-4,9-dien-17 $\alpha$ -yl)acetonitrile (as per EP)

Synonyms : NA  
CAS Number : 106111-43-7  
CAT Number : CP-D37011  
Molecular Formula : C<sub>20</sub>H<sub>25</sub>NO<sub>4</sub>  
Molecular Weight : 343.42  
Batch Number : CP-DIE-K-0326



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

### Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.88%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.458 %
9)	Potency by TGA	95.44%



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

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