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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Doxycycline EP Impurity C**

### Identification:

Chemical Name: (4R,4aR,5S,5aR,6R,12aS)-4-(Dimethylamino)-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide

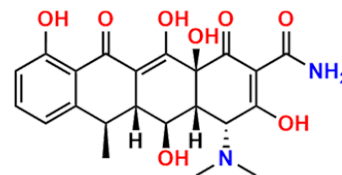
Synonyms : 4-Epidoxycycline

CAS Number : 6543-77-7

CAT Number : CP-D56003

Molecular Formula : C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub>

Molecular Weight : 444.44



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	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



**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.