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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Doxycycline EP Impurity E**

#### Identification:

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

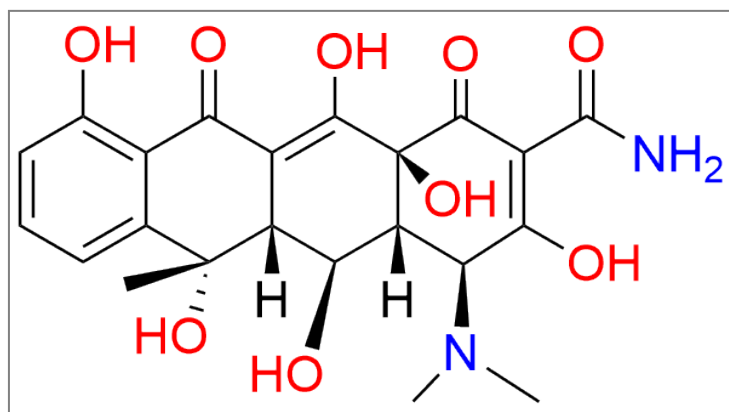
Synonyms : Oxytetracycline

CAS Number : 79-57-2

CAT Number : CP-D56005

Molecular Formula : C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>9</sub>

Molecular Weight : 460.44



#### 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.