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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Chlortetracycline hydrochloride EP Impurity D**

### Identification:

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

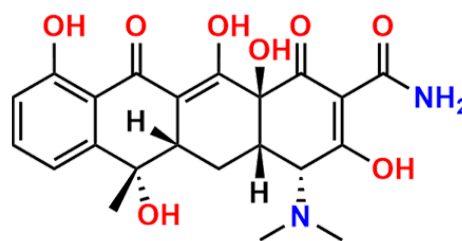
Synonyms : 4-epitetracycline (as per EP)

CAS Number : 79-85-6

CAT Number : CP-C284002

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

Molecular Weight : 444.40



### 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**

**Approved By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

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