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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Tetracycline EP Impurity D**

### Identification:

Chemical Name: (4R,4aS,12aS)-4-(dimethylamino)-3,10,11,12a-tetrahydroxy-6-methyl-1,12-dioxo-1,4,4a,5,12,12a-hexahydrotetracycline-2-carboxamide hydrochloride (as per EP & USP)

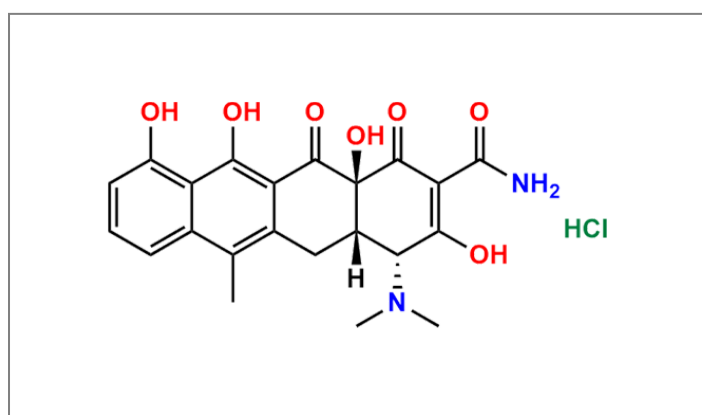
Synonyms : 4-Epianhydrotetracycline  
Hydrochloride (EP & USP)

CAS Number : 4465-65-0

CAT Number : CP-T200006

Molecular Formula : C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>O<sub>7</sub> : HCl

Molecular Weight : 426.4 : 36.46



### 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.