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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Lymecycline EP Impurity G**

#### Identification:

Chemical Name: (4S,4aS,5aS,6S,12aS)-7-chloro-4-(dimethylamino)-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride

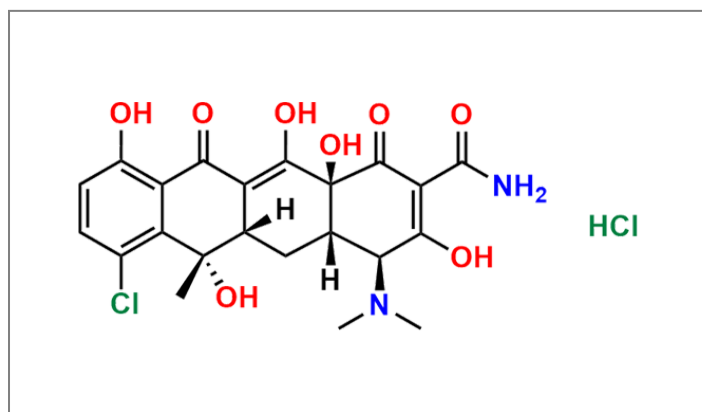
Synonyms : Chlortetracycline Hydrochloride (USP)

CAS Number : 64-72-2

CAT Number : CP-L64007

Molecular Formula : C<sub>22</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>8</sub> : HCl

Molecular Weight : 478.88 : 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**

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.