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CERTIFICATE OF ANALYSIS

Analysis Date: May 2024

Re-test Date: Apr 2026

Product Name: Tigecycline EP Impurity B

Identification:

Chemical Name: (4S,4aS,5aR,12aS)-9-amino-4,7-bis(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride (as per EP & USP)

Synonyms : 9-Aminominocycline (EP) ;
Tigecycline USP Related
Compound B

CAS Number : 149934-21-4

CAT Number : CP-T74002

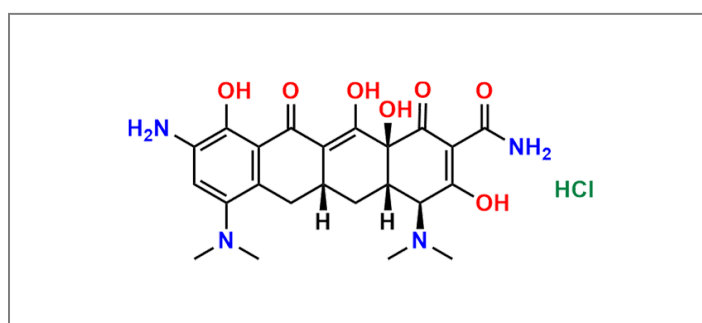
Molecular Formula : C₂₃H₂₈N₄O₇ : HCl

Molecular Weight : 472.50 : 36.5

Batch Number : CP-TIG-B-0524

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow To Light Green Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.58%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	4.265%
8)	Potency by TGA	94.31%



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare
(QA Head)

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