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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

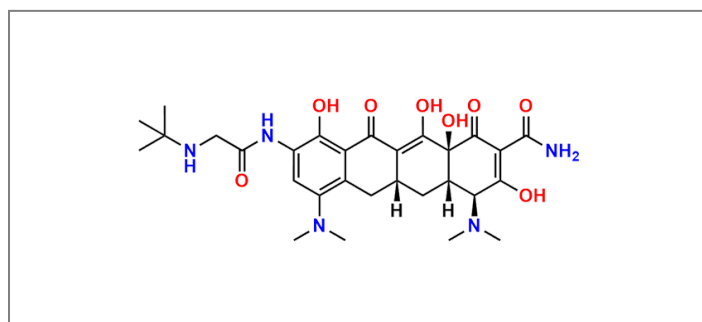
Re-test Date: Nov 2027

**Product Name: Tigecycline (In House Standard)**

### Identification:

Chemical Name: (4S,4aS,5aR,12aS)-9-(2-(tert-butylamino)acetamido)-4,7-bis(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide

Synonyms : NA  
CAS Number : 220620-09-7  
CAT Number : CP-T74000  
Molecular Formula : C<sub>29</sub>H<sub>39</sub>N<sub>5</sub>O<sub>8</sub>  
Molecular Weight : 585.66  
Batch Number : CP-TIG-IN-1224  
Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.89%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	Weight loss by TGA	1.322%
8)	Potency by TGA	98.56%



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.