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## CERTIFICATE OF ANALYSIS

Analysis Date:

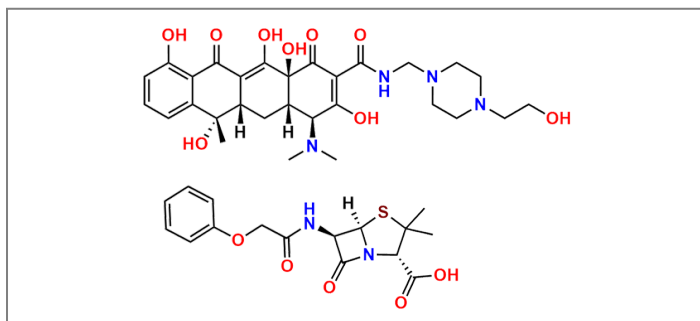
Re-test Date:

**Product Name: Penimepicycline**

### Identification:

Chemical Name: (4S,4aS,5aS,6S,12aS)-4-(dimethylamino)-3,6,10,12,12a-pentahydroxy-N-((4-(2-hydroxyethyl)piperazin-1-yl)methyl)-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide (2S,5R,6R)-3,3-dimethyl-7-oxo-6-(2-phenoxyacetamido)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate

Synonyms : NA  
CAS Number : 4599-60-4  
CAT Number : CP-CS3961  
Molecular Formula : C<sub>29</sub>H<sub>38</sub>N<sub>4</sub>O<sub>9</sub> : C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>5</sub>S  
Molecular Weight : 586.64 : 350.39



### 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.