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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Bleomycin Sulfate (In House Standard)**

### Identification:

Chemical Name: Sulfuric acid, (3-(2'-((3S,6R,7S,8S,11S)-1-(6-amino-2-((S)-3-amino-1-(((S)-2,3-diamino-3-oxopropyl)amino)-3-oxopropyl)-5-methylpyrimidin-4-yl)-3-(((2R,3S,4S,5S,6S)-3-(((2R,3S,4S,5R,6R)-4-(carbamoyloxy)-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-4,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)(1H-imidazol-4-yl)methyl)-7-hydroxy-11-((R)-1-hydroxyethyl)-6,8-dimethyl-1,4,9,12-tetraoxo-2,5,10,13-tetraazapentadecan-15-yl)-[2,4'-bithiazole]-4-carboxamido)propyl)dimethylsulfonium salt

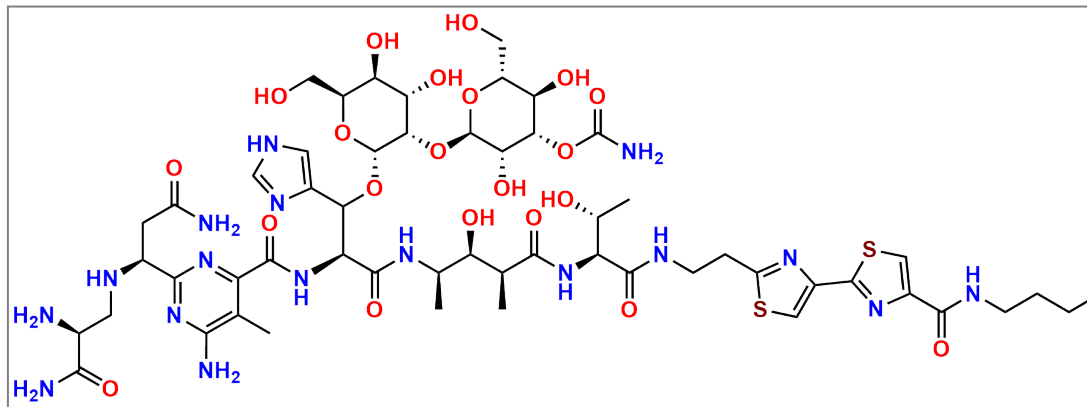
Synonyms : NA

CAS Number : 9041-93-4

CAT Number : CP-B126001

Molecular Formula : C<sub>55</sub>H<sub>84</sub>N<sub>17</sub>O<sub>21</sub>S<sub>3</sub>  
: H<sub>2</sub>SO<sub>4</sub>

Molecular Weight : 1415.6 : 98.1



### 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	>98%
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.