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## CERTIFICATE OF ANALYSIS

Analysis Date:

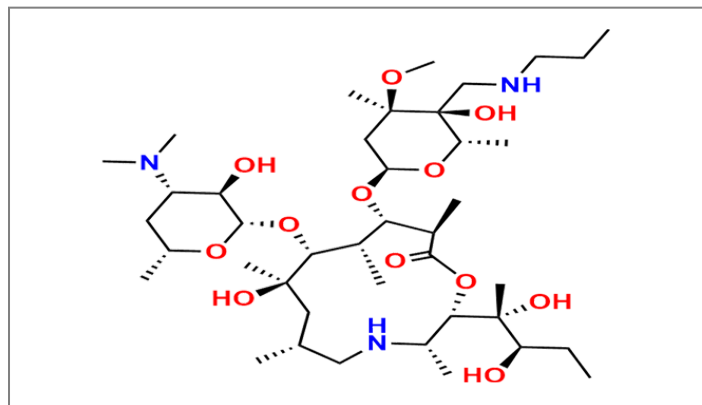
Re-test Date:

**Product Name: Tulathromycin Impurity B**

**Identification:**

Chemical Name: (2S,3S,6R,8R,9R,10S,11S,12R)-2-((2R,3R)-2,3-dihydroxypentan-2-yl)-9-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-8-hydroxy-11-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyl-5-((propylamino)methyl)tetrahydro-2H-pyran-2-yl)oxy)-3,6,8,10,12-pentamethyl-1-oxa-4-azacyclotridecan-13-one

Synonyms : NA  
CAS Number : 280755-12-6  
CAT Number : CP-T196005  
Molecular Formula : C<sub>41</sub>H<sub>79</sub>N<sub>3</sub>O<sub>12</sub>  
Molecular Weight : 806.09



**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**

**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.