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### CERTIFICATE OF ANALYSIS

Analysis Date:

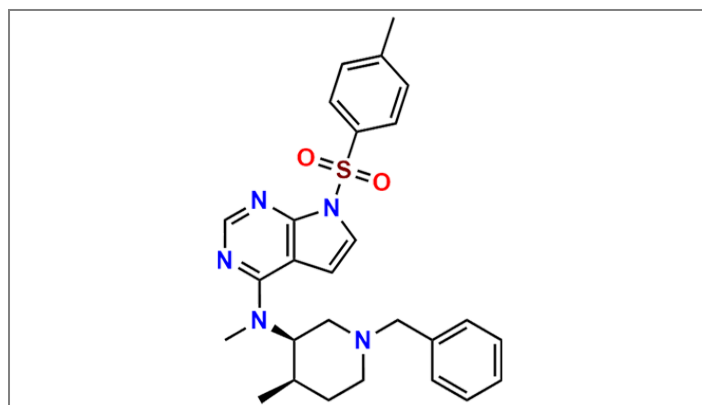
Re-test Date:

**Product Name: Tofacitinib Impurity S**

#### Identification:

Chemical Name: N-((3R,4R)-1-benzyl-4-methylpiperidin-3-yl)-N-methyl-7-tosyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine

Synonyms : NA  
CAS Number : 923036-30-0  
CAT Number : CP-T23061  
Molecular Formula : C<sub>27</sub>H<sub>31</sub>N<sub>5</sub>O<sub>2</sub>S  
Molecular Weight : 489.64



#### 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.