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## CERTIFICATE OF ANALYSIS

Analysis Date:

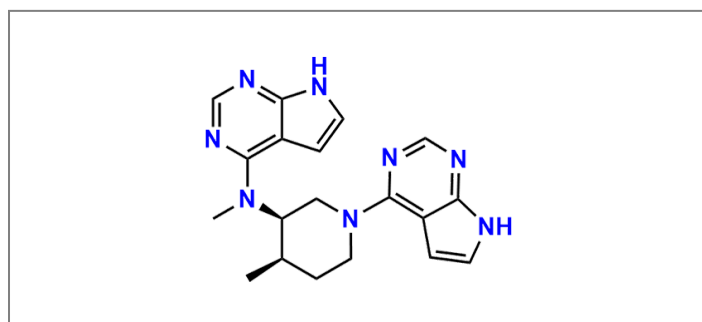
Re-test Date:

**Product Name: Tofacitinib Impurity 148**

### Identification:

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

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-T23184  
Molecular Formula : C<sub>19</sub>H<sub>22</sub>N<sub>8</sub>  
Molecular Weight : 362.44



### 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.