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## CERTIFICATE OF ANALYSIS

Analysis Date:

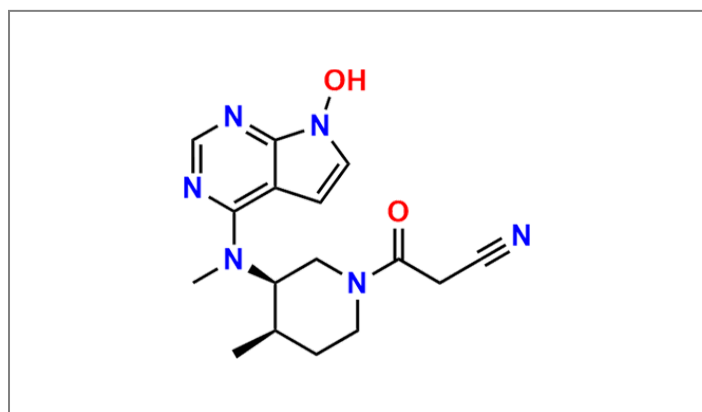
Re-test Date:

**Product Name: Tofacitinib Impurity 52**

### Identification:

Chemical Name: 3-((3R,4R)-3-((7-Hydroxy-7H-pyrrolo[2,3-d]pyrimidin-4-yl)(methyl)amino)-4-methylpiperidin-1-yl)-3-oxopropanenitrile

Synonyms : NA  
CAS Number : 2407039-29-4  
CAT Number : CP-T23092  
Molecular Formula : C<sub>16</sub>H<sub>20</sub>N<sub>6</sub>O<sub>2</sub>  
Molecular Weight : 328.38



### 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.