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## CERTIFICATE OF ANALYSIS

Analysis Date:

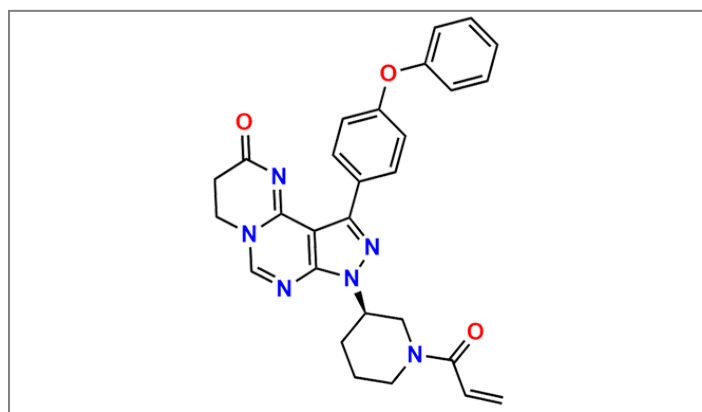
Re-test Date:

**Product Name: Ibrutinib Impurity 73**

### Identification:

Chemical Name: (R)-8-(1-Acryloylpiperidin-3-yl)-10-(4-phenoxyphenyl)-3,4-dihydropyrazolo[4,3-e]pyrimido[1,2-c]pyrimidin-2(8H)-one

Synonyms : NA  
CAS Number : 1917333-91-5  
CAT Number : CP-I20015  
Molecular Formula : C<sub>28</sub>H<sub>26</sub>N<sub>6</sub>O<sub>3</sub>  
Molecular Weight : 494.6



### 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.