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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2023

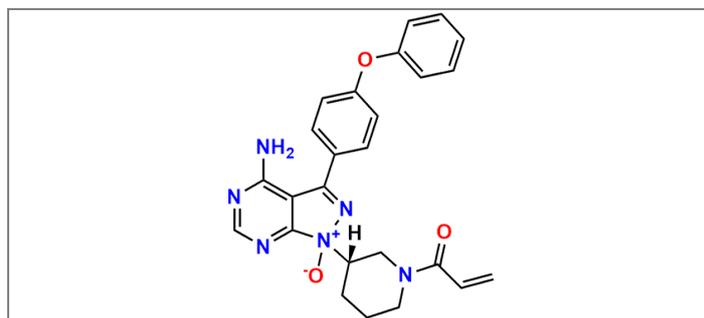
Re-test Date: Oct 2026

**Product Name: Ibrutinib N-Oxide Impurity**

### Identification:

Chemical Name: (R)-1-((R)-1-acryloylpiperidin-3-yl)-4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidine 1-oxide

Synonyms : NA  
CAS Number : 2417548-74-2  
CAT Number : CP-I20007  
Molecular Formula : C<sub>25</sub>H<sub>24</sub>N<sub>6</sub>O<sub>3</sub>  
Molecular Weight : 456.51  
Batch Number : CP-IBR-NO-1123



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.65%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.