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CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2023

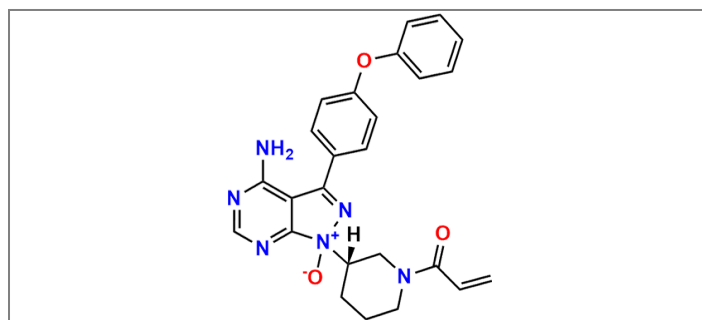
Re-test Date: Oct 2026

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 : C₂₅H₂₄N₆O₃
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)	H1NMR	Confirm to structure
6)	13CNMR	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.