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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2023

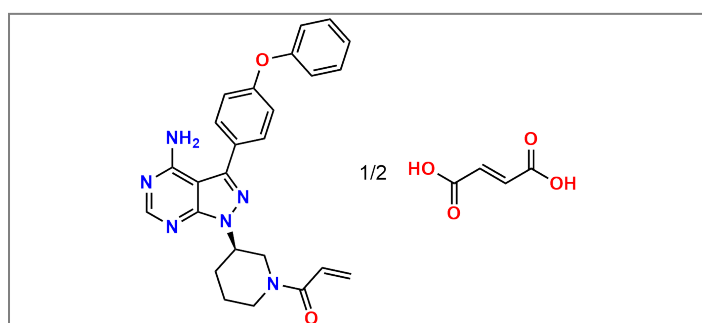
Re-test Date: Mar 2026

Product Name: Ibrutinib Hemi Fumaric Acid (In House Standard)

Identification:

Chemical Name: (R)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)prop-2-en-1-one fumaric acid

Synonyms : NA
CAS Number : NA
CAT Number : CP-I20010
Molecular Formula : C₂₅H₂₄N₆O₂ : C₄H₄O₄
Molecular Weight : 440.51 : 116.07
Batch Number : CHEM-IBR-FUM
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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.23%
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.