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CERTIFICATE OF ANALYSIS

Analysis Date:

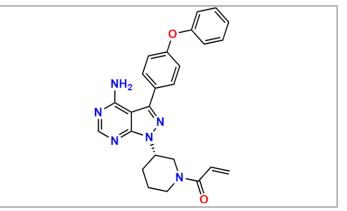
Re-test Date:

Product Name: (S)-Ibrutinib

Identification:

Chemical Name: 1-[(3S)-3-[4-Amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-1-piperidinyl]-2-propen-1-one

Synonyms	: NA
CAS Number	: 936563-97-2
CAT Number	: CP-I20002
Molecular Formula	: C25H24N6O2
Molecular Weight	: 440.51



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.