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CERTIFICATE OF ANALYSIS

Analysis Date:

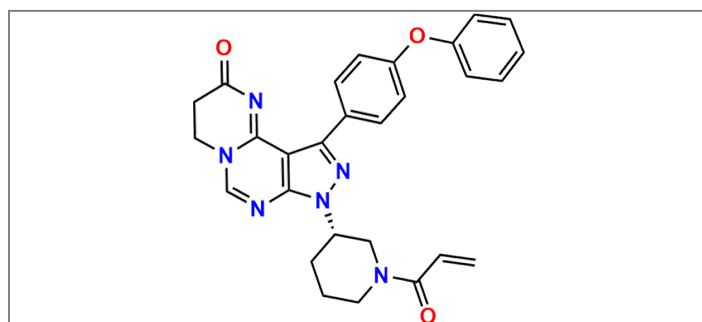
Re-test Date:

Product Name: Ibrutinib Impurity 2

Identification:

Chemical Name: (S)-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 : 2417548-77-5
CAT Number : CP-I20023
Molecular Formula : C₂₈H₂₆N₆O₃
Molecular Weight : 494.56



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.