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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2024

Re-test Date: Jan 2027

Product Name: Baricitinib Impurity III

Identification:

Chemical Name: 2-(3-(4-(7H-[4,7'-bipyrrolo[2,3-d]pyrimidin]-4'-yl)-1H-pyrazol-1-yl)-1-(ethylsulfonyl)azetidin-3-yl)acetonitrile

Synonyms : Pyrrolopyrimidine Baricitinib

CAS Number : NA

CAT Number : CP-B31005

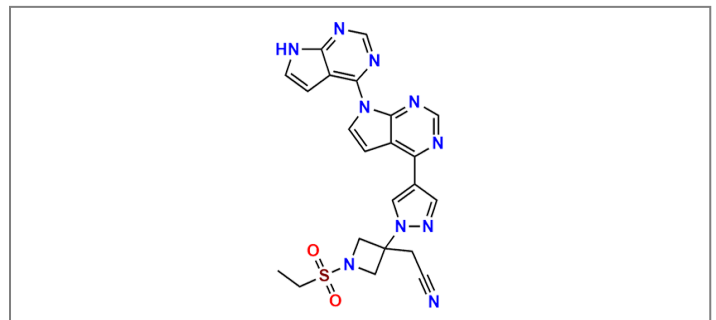
Molecular Formula : C₂₂H₂₀N₁₀O₂S

Molecular Weight : 488.53

Batch Number : CP-BAR-03-0224

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 to Light Green Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	91.03%
5)	¹ H NMR	Confirm to structure
6)	Weight loss by TGA	0.962%
7)	Potency	90.06%



Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

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