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## CERTIFICATE OF ANALYSIS

Analysis Date:

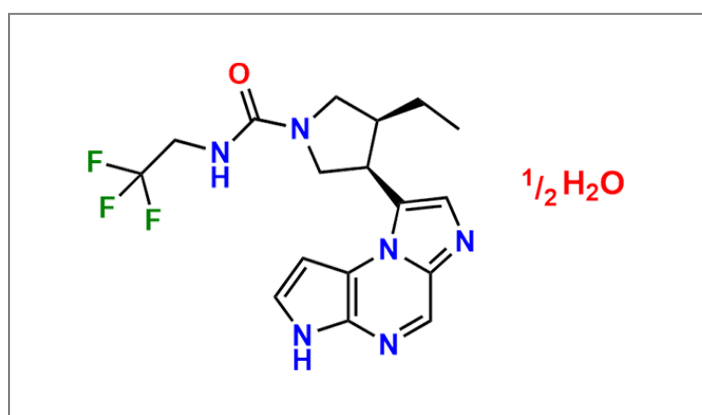
Re-test Date:

**Product Name: Upadacitinib Hemihydrate (In House Standard)**

### Identification:

Chemical Name: (3S,4R)-3-Ethyl-4-(3H-imidazo[1,2-a]pyrrolo[2,3-e]pyrazin-8-yl)-N-(2,2,2-trifluoroethyl)-1-pyrrolidinecarboxamide hemihydrate

Synonyms : NA  
CAS Number : 2050057-56-0  
CAT Number : CP-U22002  
Molecular Formula : C<sub>17</sub>H<sub>19</sub>F<sub>3</sub>N<sub>6</sub>O : 1/2(H<sub>2</sub>O)  
Molecular Weight : 380.38 : 1/2(18.02)



### 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	>98%
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.