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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Upadacitinib Impurity 31**

### Identification:

Chemical Name: bis((3S,4R)-3-ethyl-4-(3H-imidazo[1,2-a]pyrrolo[2,3-e]pyrazin-8-yl)pyrrolidin-1-yl)methanone

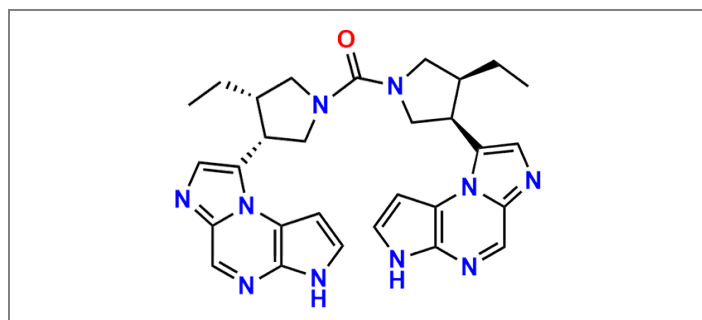
Synonyms : NA

CAS Number : NA

CAT Number : CP-U22035

Molecular Formula : C<sub>29</sub>H<sub>32</sub>N<sub>10</sub>O

Molecular Weight : 536.64



### 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.