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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Upadacitinib Impurity 59

Identification:

Chemical Name: tert-butyl (5-tosyl-5H-pyrrolo[2,3-b]pyrazin-2-yl)carbamate

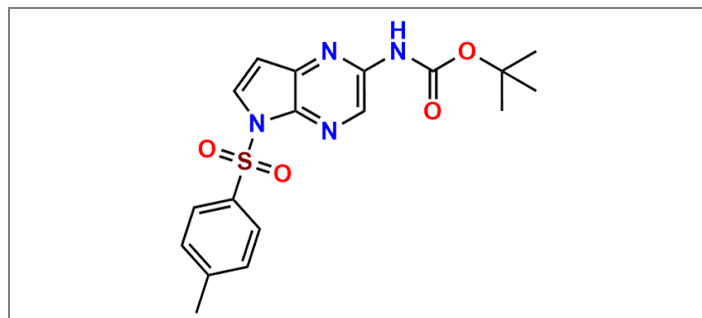
Synonyms : NA

CAS Number : 1201187-44-1

CAT Number : CP-U22016

Molecular Formula : C₁₈H₂₀N₄O₄S

Molecular Weight : 388.44



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.