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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Acalabrutinib Impurity 22

Identification:

Chemical Name: Benzyl (S)-2-(1-bromo-8-chloroimidazo[1,5-a]pyrazin-3-yl)pyrrolidine-1-carboxylate

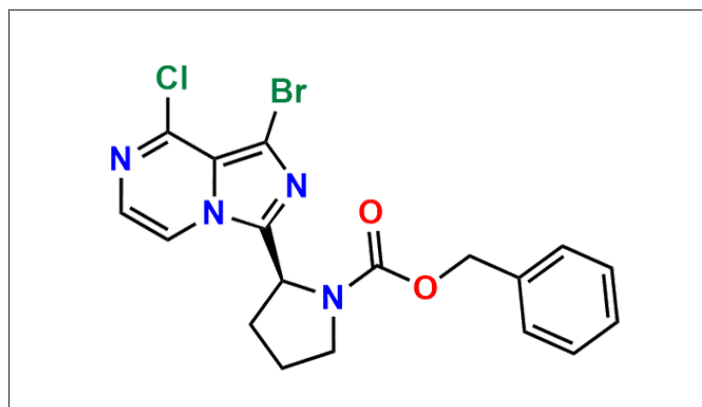
Synonyms : NA

CAS Number : 1420478-87-0

CAT Number : CP-A165011

Molecular Formula : C₁₈H₁₆BrClN₄O₂

Molecular Weight : 435.71



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.