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## **CERTIFICATE OF ANALYSIS**

Analysis Date:

Re-test Date:

## **Product Name: Acalabrutinib Impurity 24**

## Identification:

Chemical Name: Benzyl (R)-2-(8-amino-1-bromoimidazo[1,5-a]pyrazin-3-yl)pyrrolidine-1-carboxylate

Synonyms	: NA	NH <sub>2 Br</sub>
CAS Number	: 2198380-46-8	Br
CAT Number	: CP-A165012	
Molecular Formula	: C18H18BrN5O2	
Molecular Weight	: 416.28	

## **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.