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## CERTIFICATE OF ANALYSIS

Analysis Date:

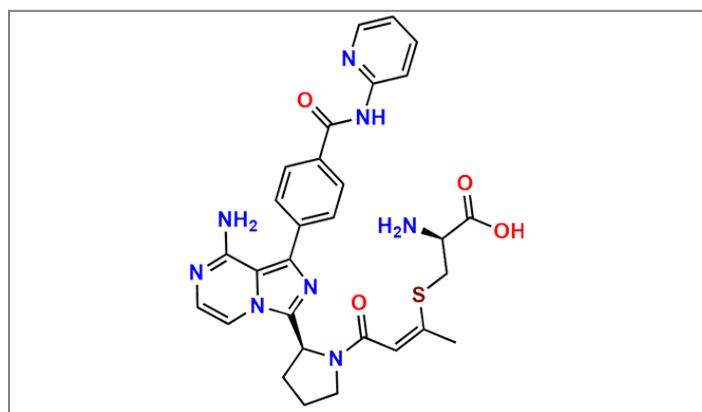
Re-test Date:

**Product Name: Acalabrutinib M10 Metabolite**

### Identification:

Chemical Name: S-((Z)-4-((S)-2-(8-amino-1-(4-(pyridin-2-ylcarbamoyl)phenyl)imidazo[1,5-a]pyrazin-3-yl)pyrrolidin-1-yl)-4-oxobut-2-en-2-yl)-D-cysteine

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-A165018  
Molecular Formula : C<sub>29</sub>H<sub>30</sub>N<sub>8</sub>O<sub>4</sub>S  
Molecular Weight : 586.7



### 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.