

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ACALABRUTINIB IMPURITY 31

Identification

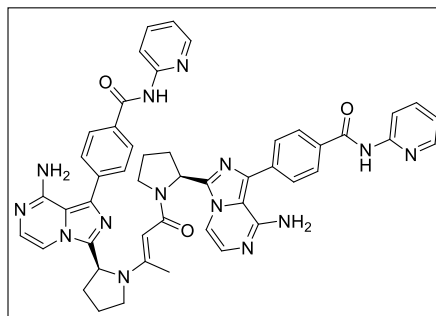
Chemical Name : 4,4'-(((2S,2'S)-(1-oxobut-2-ene-1,3-diyl)bis(pyrrolidine-1,2-diyl))bis(8-aminoimidazo[1,5-a]pyrazine-3,1-diyl))bis(N-(pyridin-2-yl)benzamide)

CAT No : ALL-ACA-1111

CAS No : N.A

Molecular Formula : C₄₈H₄₄N₁₄O₃

Molecular Weight : 865.0



Analytical Information

Batch Code	: ALL-ACA-1111	HPLC Purity	: 96.95 %
Solubility	: MeOH: ACN	Potency	: 95.69 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.209 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.082 %		

Additional Information

$$\% \text{Potency} = [100 - (\text{Residue \%} + \text{Water \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (1.209 + 0.082) \times 96.95] / 100 = 95.69 \%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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