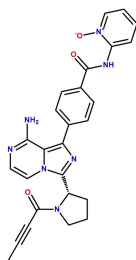


## CERTIFICATE OF ANALYSIS

Date: 17-06-2026

<b>Product Name</b>	<b>Acalabrutinib Impurity 13</b>		
<b>Chemical Name</b>	(S)-2-(4-(8-Amino-3-(1-(but-2-ynoyl)pyrrolidin-2-yl)imidazo[1,5-a]pyrazin-1-yl)benzamido)pyridine 1-oxide		
<b>Structure</b>			
<b>Batch. No.</b>	-	<b>CAS No.</b>	NA
<b>Analysis Date</b>	-	<b>Retest Date</b>	5
<b>Mol. Formula</b>	$C_{26}H_{23}N_7O_3$	<b>Molecular Wt.</b>	481.5
<b>Long term Storage Condition</b>		Store at 2-8 °C in well closed container	
<b>Handling and Transit Condition</b>		25-30 °C in well closed container	

Test	Result
Appearance	-
Solubility	-
<sup>1</sup> H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

**Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.**

	<b>Prepared By</b>	<b>Checked By</b>	<b>Approved By</b>
<b>Signature</b>			
<b>Date</b>			

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