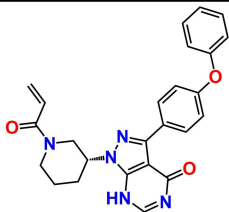


## CERTIFICATE OF ANALYSIS

Date: 05-07-2024

<b>Product Name</b>	Ibrutinib Hydroxy Impurity		
<b>Chemical Name</b>	(R)-1-(1-Acryloylpiperidin-3-yl)-3-(4-phenoxyphenyl)-1,7-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one		
<b>Structure</b>			
<b>Batch No.</b>	NA	<b>CAS No.</b>	2031255-24-8
<b>Analysis Date</b>	NA	<b>Retest Date</b>	NA
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>23</sub> N <sub>5</sub> O <sub>3</sub>	<b>Molecular Weight</b>	441.5
<b>Long term Storage Condition</b>	NA		
<b>Handling and Transit Condition</b>	NA		

Test	Result
NA	
<p><b>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></p>	

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

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