



COMMITTED FOR CHEMISTRY

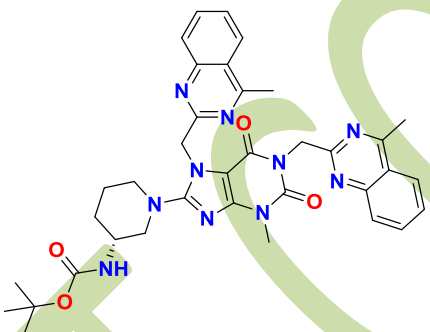
## SYNCHEMIA RESEARCH CHEMICAL

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### CERTIFICATE OF ANALYSIS

<b>Product Name :</b> Linagliptin Impurity G		
<b>CAS NO :</b> NA		
<b>Batch No :</b> SRC-135-AG-005		
<b>Date of Analysis :</b> 25 Feb 2023		
<b>Retest Date :</b> 25 Feb 2025		
<b>Structure:</b> 		
<b>Chemical Name</b>	Tert-butyl (R)-(1-(3-methyl-1,7-bis((4-methylquinazolin-2-yl)methyl)-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-8-yl)piperidin-3-yl)carbamate	
<b>Molecular Formula</b>	C <sub>36</sub> H <sub>40</sub> N <sub>10</sub> O <sub>4</sub>	
<b>Molecular Weight</b>	676.8g/mol	
<b>Sr. No.</b>	<b>Test</b>	<b>Result</b>
1)	<b>Description</b>	NA
2)	<b>Solubility</b>	Soluble In DMSO, Methanol
3)	<b>Identification</b>	
	1. Mass	Confirm to structure
	2. <sup>1</sup> H NMR	Confirm to structure
4)	<b>Purity by HPLC</b>	Above 95 %
<b>Long Term Storage condition</b>		Store at 2 <sup>0</sup> to 8 <sup>0</sup> c
<b>Shipping Condition</b>		Ambient
<b>Note :</b> This is only for Analytical testing purpose, not for Human or Animal Consumption.		
	Signature	Date
Checked By		
Approved By		

