



CERTIFICATE OF ANALYSIS

Date: 19-06-2025

Product Name	Ledipasvir Keto Imp	Ledipasvir Keto Impurity-1				
Chemical Name		((S)-1-((1R,3S,4S)-3-(6-(7-(2-((S)-5-acetyl-5-azaspiro[2.4]heptan-6-yl)-1H- imidazol-5-yl)-9,9-difluoro-9H-fluoren-2-yl)-1H-benzo[d]				
Structure						
	Br N M	$Br \leftarrow \begin{pmatrix} \downarrow \\ \downarrow$				
	HN	-9				
Batch. No.	-	CAS No.	NA			
	- -	CAS No. Retest Date	NA 5			
Analysis Date	- - C ₂₉ H ₂₉ BrN ₄ O ₄					
Batch. No. Analysis Date Mol. Formula Long term Storage	25 25 1 1	Retest Date	5 577.5			

Test	Result			
Appearance	-			
Solubility	-			
1H-NMR	Conforms to structure			
MASS	Conforms to structure			
Chromatographic Purity	>90%			
Note: This material should be used for research nurness and not for human or animal				

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.

	Prepared By	Checked By	Approved By
Signature			
Date			

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