



## CERTIFICATE OF ANALYSIS

Date: 30-01-2026

<b>Product Name</b>	<b>Telbivudine Impurity 2</b>		
<b>Chemical Name</b>	1-((2S,3S,4R,5S)-3,4-Dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-5-methylpyrimidine-2,4(1H,3H)-dione		
<b>Structure</b>	<p>The chemical structure shows a pyrimidine ring system. The 2-position is a carbonyl group (C=O). The 4-position is a double bond (C=C) attached to a methyl group (CH3). The 5-position is a carbonyl group (C=O) attached to a hydroxymethyl group (-CH2OH). The 6-position is a nitrogen atom (N) bonded to a hydrogen atom (H) and a 2,3-dihydroxy-5-hydroxymethyltetrahydrofuran-2-yl group. The tetrahydrofuran ring has a hydroxyl group (OH) at the 3-position and a hydroxymethyl group (-CH2OH) at the 5-position. The 2-position of the tetrahydrofuran ring is bonded to the pyrimidine ring.</p>		
<b>Batch No.</b>	-	<b>CAS No.</b>	26879-47-0
<b>Analysis Date</b>	-	<b>Retest Date</b>	5
<b>Mol. Formula</b>	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub>	<b>Molecular Wt.</b>	258.2
<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		

<b>Test</b>	<b>Result</b>
Appearance	-
Solubility	-
1H-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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