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CERTIFICATE OF ANALYSIS

Analysis Date: May 2026

Re-test Date: Apr 2029

Product Name: Lamivudine EP Impurity D

Identification:

Chemical Name: 4-Amino-1-((2S,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one

Synonyms : ent-Lamivudine

CAS Number : 134680-32-3

CAT Number : CP-L3004

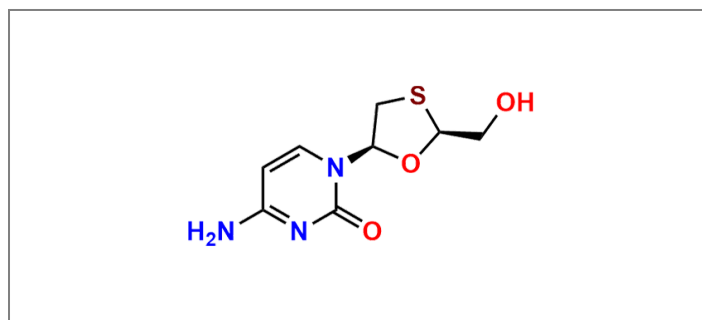
Molecular Formula : C₈H₁₁N₃O₃S

Molecular Weight : 229.25

Batch Number : CP-LAM-D-0526

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.69%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.101 %
9)	Potency by TGA	97.59%



Prepared and Reviewed By



Mr. Shubham Bondre
(Quality Control)

Approved By



Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.