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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2025

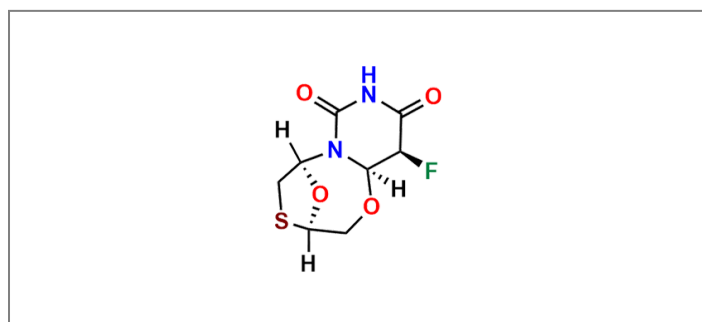
Re-test Date: Nov 2028

Product Name: Emtricitabine Cis-Cyclic Impurity

Identification:

Chemical Name: (3R,6S,11S,11aR)-11-Fluorohexahydro-8H-3,6-epoxypyrimido[6,1-b][1,6,3]oxathiazocine-8,10(9H)-dione

Synonyms : NA
CAS Number : NA
CAT Number : CP-E5011
Molecular Formula : C₈H₉FN₂O₄S
Molecular Weight : 248.23
Batch Number : CHEM-EMT-CIS
Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	97.20%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	FT-IR	Confirm to structure
8)	Weight loss by TGA	0.126%
9)	Potency	97.08%



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.