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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2024

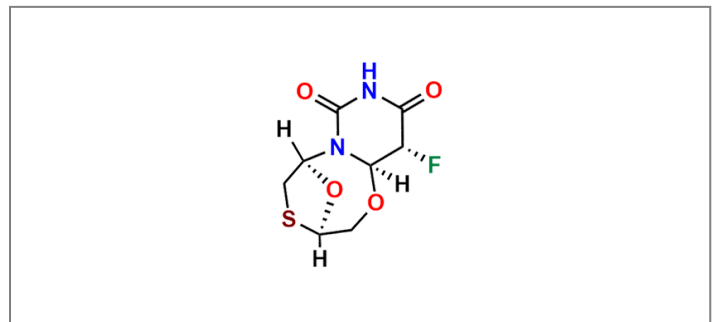
Re-test Date: May 2027

Product Name: Emtricitabine Trans-Cyclic Impurity

Identification:

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

Synonyms : NA
CAS Number : NA
CAT Number : CP-E5013
Molecular Formula : C₈H₉FN₂O₄S
Molecular Weight : 248.23
Batch Number : CHEM-EMT-TRA
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) | Solubility | Soluble in Methanol/DMSO |
| 2) | MASS By LCMS | Confirm to structure |
| 3) | Purity By HPLC | 98.27% |
| 4) | H1NMR | Confirm to structure |
| 5) | 13CNMR | Confirm to structure |
| 6) | IR | Confirm to structure |
| 7) | Weight loss by TGA | 0.380% |
| 8) | Potency by TGA | 97.89% |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

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