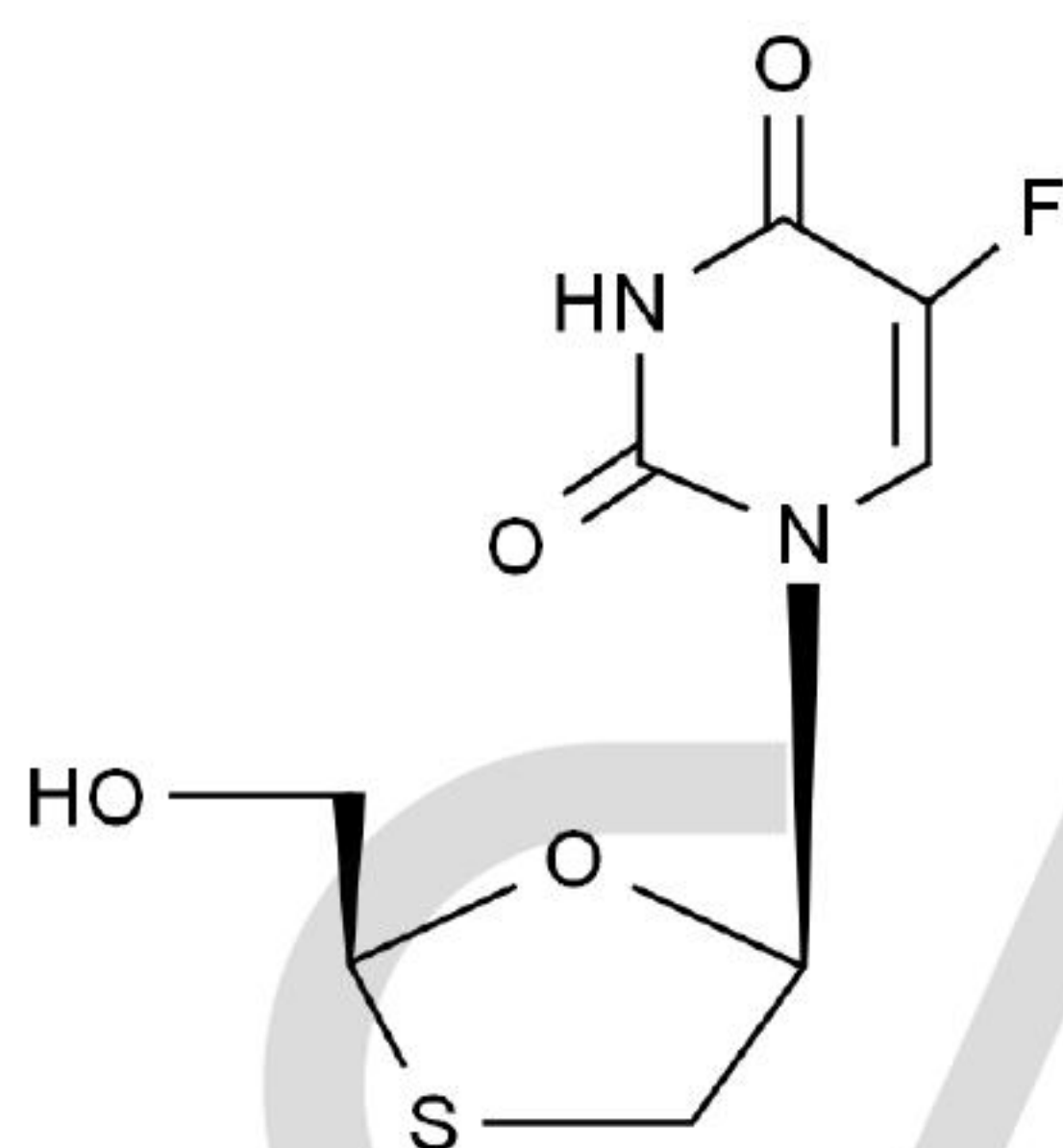


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                |                          |                                           |
|---------------------------|----------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Emtricitabine Impurity 11                                      | <b>Catalogue Number:</b> | C4X-123211                                |
| <b>Synonyms:</b>          | N/A                                                            | <b>Lot Number:</b>       | 0507-RF-0047                              |
| <b>CAS Number:</b>        | 145281-92-1                                                    | <b>Expiry Date:</b>      | May 06, 2027                              |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>9</sub> FN <sub>2</sub> O <sub>4</sub> S | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 248.23                                                         |                          |                                           |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 99.712%         |
| Loss On Drying | TGA               | 0.4120%         |
| Assay          |                   | 99.3%           |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

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Aporoved by General Manager:

*David*

Date: May 11, 2024

Date: May 11, 2024

Date: May 11, 2024

