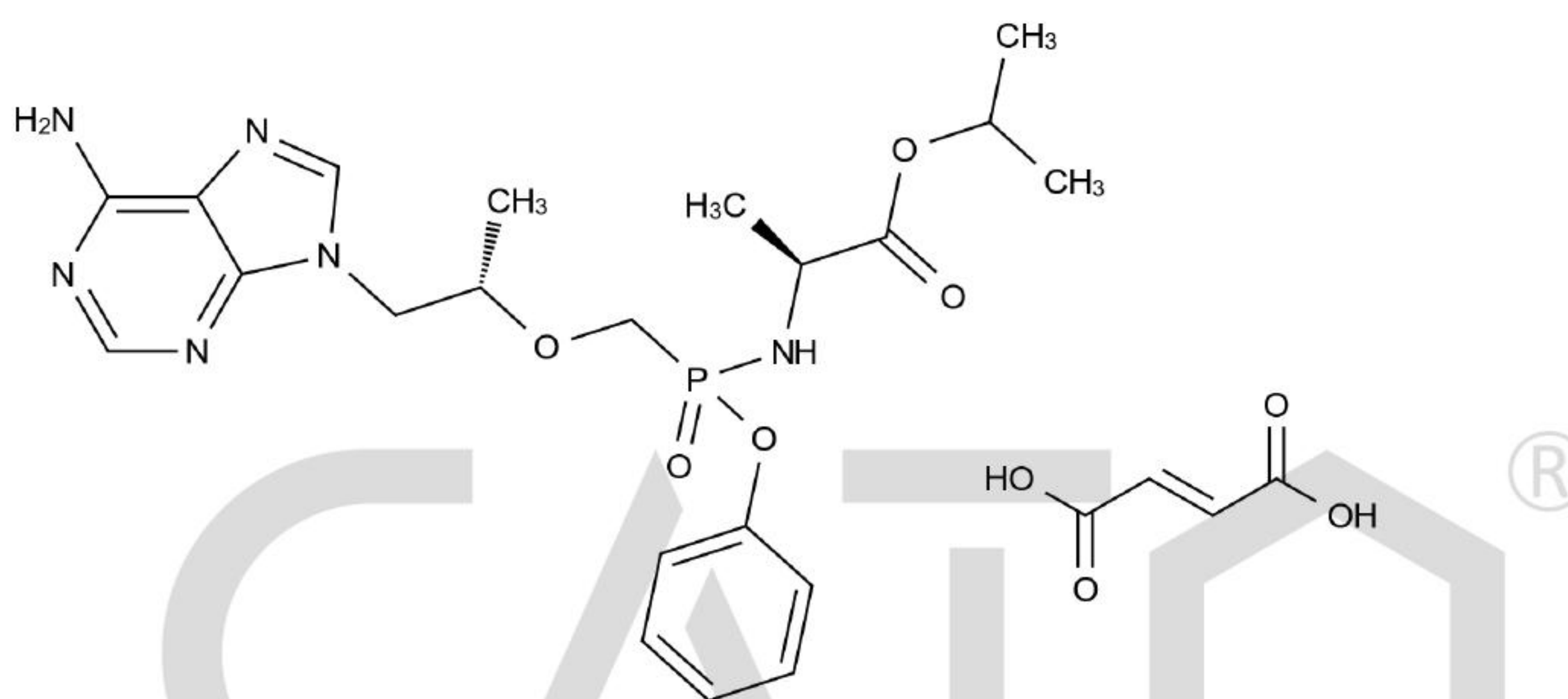


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                                                              |                          |                                           |
|---------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Tenofovir alafenamide Impurity 60                                                                            | <b>Catalogue Number:</b> | C4X-179760                                |
| <b>Synonyms:</b>          | N/A                                                                                                          | <b>Lot Number:</b>       | 0423-RF-0018                              |
| <b>CAS Number:</b>        | N/A                                                                                                          | <b>Expiry Date:</b>      | Apr 25, 2028                              |
| <b>Molecular Formula:</b> | C <sub>21</sub> H <sub>29</sub> N <sub>6</sub> O <sub>5</sub> P C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 476.47 116.07                                                                                                |                          |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 96.090%     |
| Loss On Drying | TGA               | 1.7068%     |
| Assay          |                   | 94.4%       |

## 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:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Apr 26, 2024

Date: Apr 26, 2024

Date: Apr 26, 2024

