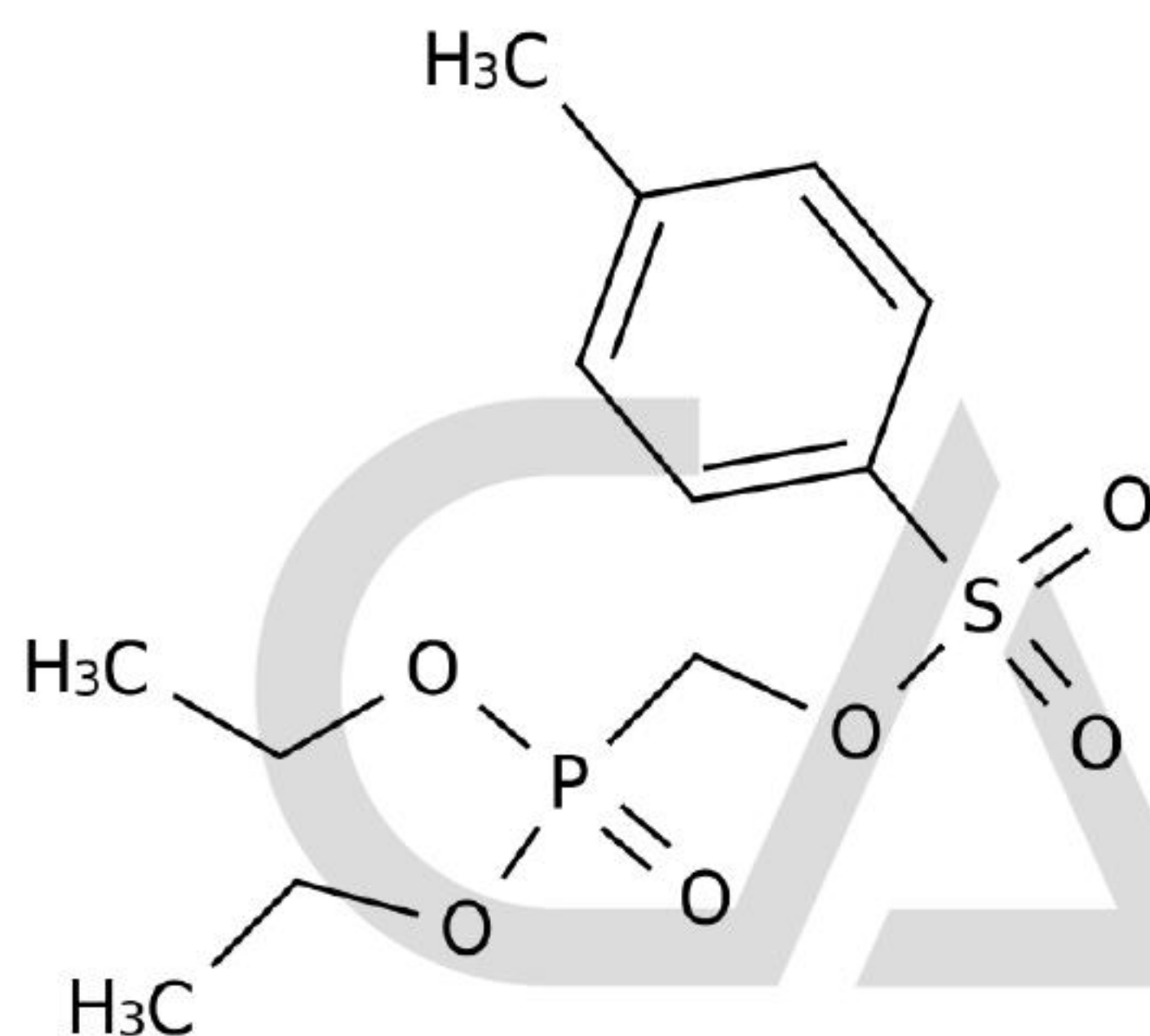


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                   |                            |                                                                                      |
|---------------------------|---------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | Tenofovir disoproxil Impurity 86                  | <b>Catalogue Number:</b>   | C4X-107686                                                                           |
| <b>Synonyms:</b>          | Diethyl (p-Toluenesulfonyloxymethyl) Phosphonate  | <b>Lot Number:</b>         | 59-12-21                                                                             |
| <b>CAS Number:</b>        | 31618-90-3                                        | <b>Expiry Date:</b>        | Dec 09, 2029                                                                         |
| <b>Molecular Formula:</b> | C <sub>12</sub> H <sub>19</sub> O <sub>6</sub> PS | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed                                            |
| <b>Molecular Weight:</b>  | 322.31                                            | <b>Shipping Condition:</b> | Shipping at Room Temperature                                                         |
| <b>Solubility:</b>        | Acetonitrile                                      | <b>Warning:</b>            |  |

## Chemical Structure:



| Test Items     | Method            | Results        |
|----------------|-------------------|----------------|
| Appearance     | Visual inspection | Colourless Oil |
| Identification | LCMS&HNMR         | Confirmed      |
| Purity         | HPLC              | 100.000%       |
| Loss On Drying | TGA               | 0.8262%        |
| Assay          |                   | 99.2%          |

## Comment:

The calculation of the mass balance 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:

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Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Dec 10, 2025

Date: Dec 10, 2025

Date: Dec 10, 2025



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