

# Certificate of Analysis

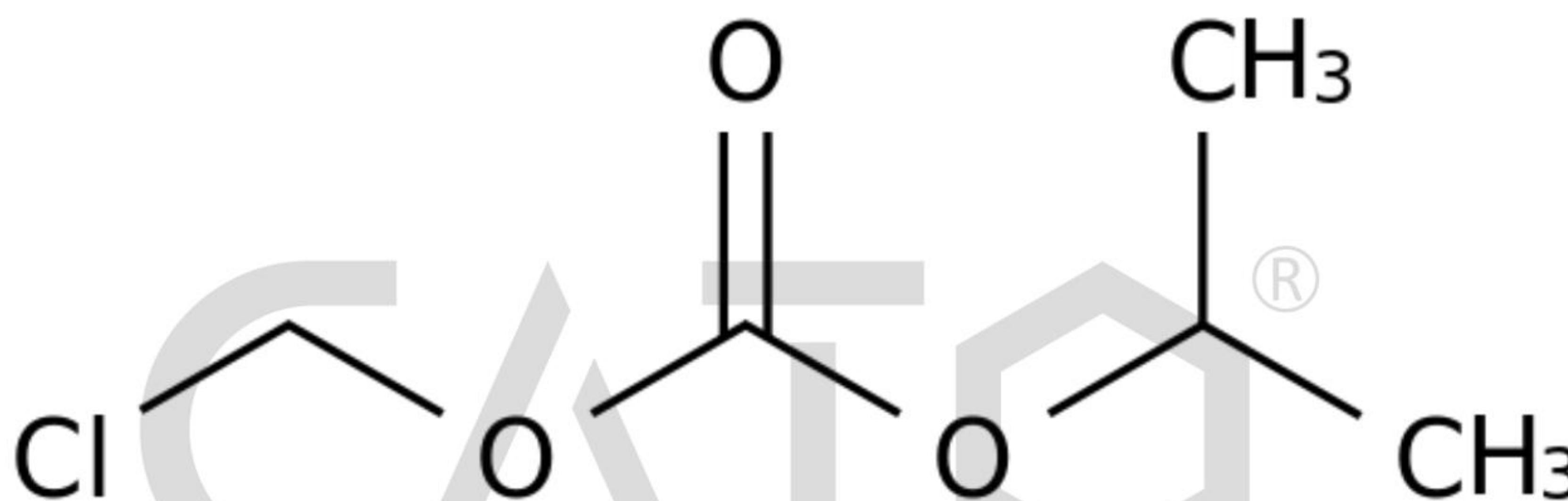
## Reference Material & Standard

|                           |                                                |                            |                                           |
|---------------------------|------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Tenofovir disoproxil Impurity 96               | <b>Catalogue Number:</b>   | C4X-107696                                |
| <b>Synonyms:</b>          | chloromethyl isopropyl carbonate               | <b>Lot Number:</b>         | 0123-RH-0080                              |
| <b>CAS Number:</b>        | 35180-01-9                                     | <b>Expiry Date:</b>        | Jan 27, 2030                              |
| <b>Molecular Formula:</b> | C <sub>5</sub> H <sub>9</sub> ClO <sub>3</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 152.58                                         | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Colourless Liquid |
| Identification | GCMS&HNMR         | Confirmed         |
| Purity         | GC                | 100.000%          |
| Water Content  | Karl Fischer      | 0.4494%           |
| Assay          |                   | 99.6%             |

## Comment:

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

Assay (%) = (100% - Water Content) \* Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

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Date: Jan 28, 2026

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