

Analysis Date: 31-10-2025

Re-test Date: 31-10-2028

## TENOFOVIR DISOPROXIL IMPURITY P

### Identification

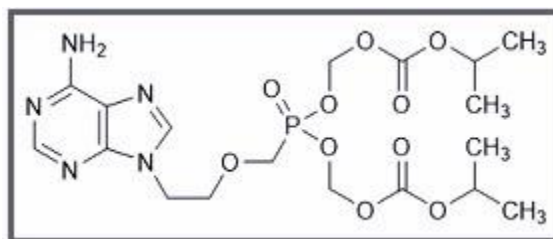
**Chemical Name** : Bis(propan-2-yl) 5-[[2-(6-amino-9H-purin-9-yl)ethyl]oxymethyl]-5-oxo-2,4,6,8-tetraoxa-5-λ<sup>5</sup>-phosphanonanedioate

**CAT No** : ALL-TEN-534

**CAS No** : 365417-53-4

**Molecular Formula** : C<sub>18</sub>H<sub>28</sub>N<sub>5</sub>O<sub>10</sub>P

**Molecular Weight** : 505.42



### Analytical Information

|                              |                   |                          |           |
|------------------------------|-------------------|--------------------------|-----------|
| <b>Batch No.</b>             | : ALL-TEN-534     | <b>HPLC Purity</b>       | : 98.00 % |
| <b>Solubility</b>            | : MeOH: ACN       | <b>Potency</b>           | : 96.30 % |
| <b>Appearance of Product</b> | : Off White Solid | <b>Mass</b>              | : Confirm |
| <b>Long Term Storage</b>     | : 2-8 0C          | <b>IR Analysis</b>       | : Confirm |
| <b>Weight Loss By TGA</b>    | : 0.967 %         | <b><sup>1</sup>H NMR</b> | : Confirm |
| <b>Residue Of Ignition</b>   | : 0.759 %         |                          |           |

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
[100 - (0.967+0.759) × 98.00]/100 = 96.30 %

**Recommendation** : Released

|                          | Department | Name                               | Signature |
|--------------------------|------------|------------------------------------|-----------|
| Prepared and Reviewed by | Analytical | Mr. Vipul Khadase<br>Jr. Executive |           |
| Approved By              | QA&QC      | Dr. Ashish Keche<br>Director QA&QC |           |

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203