

Analysis Date: 30-10-2025

Re-test Date: 30-10-2028

## TENOFOVIR DISOPROXIL FUMARATE IP IMPURITY G

### Identification

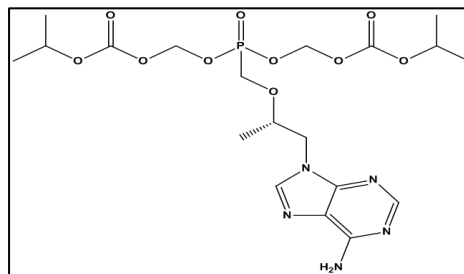
**Chemical Name** : 5-[[[(1S)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy]methyl]-2,4,6,8-tetraoxa-5-phosphanonedioic acid 1,9-bis(1-methylethyl) ester 5-oxide

**CAT No** : ALL-TENO-17

**CAS No** : 1280130-08-6

**Molecular Formula** : C<sub>19</sub>H<sub>30</sub>N<sub>5</sub>O<sub>10</sub>P

**Molecular Weight** : 519.44



### Analytical Information

<b>Batch No.</b>	: ALL-TENO-17	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.69 %
<b>Appearance of Product</b>	: Yellow to light greenish Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.316 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.012 %		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (1.316 + 0.012) \times 98.00] / 100 = 96.69 \%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche 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