

Analysis Date: 14-09-2024

Re-test Date: 14-09-2027

## TENOFOVIR DISOPROXIL IMPURITY Q

### Identification

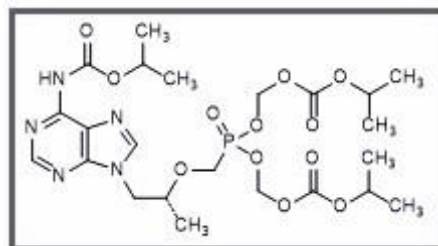
**Chemical Name** : Bis(propan-2-yl) (8R)-5-hydroxy-8-methyl-9-(6-[[[(propan-2-yloxy)carbonyl]amino}-9H-purin-9-yl)-5-oxo-2,4,7-trioxa-5-λ<sup>5</sup>-phosphanonanoate

**CAT No** : ALL-TENO-2551

**CAS No** : 1244022-54-5

**Molecular Formula** : C<sub>23</sub>H<sub>36</sub>N<sub>5</sub>O<sub>12</sub>P

**Molecular Weight** : 605.53



### Analytical Information

<b>Batch No.</b>	: ALL-TENO-2551	<b>HPLC Purity</b>	: 99.00 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 97.57 %
<b>Appearance of Product</b>	: Brown Color Liquid	<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>	: 0.909 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.532 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
[100 - (0.909+0.532) × 99.00]/100 = 97.57 %

**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

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