

Analysis Date: 26-11-2025

Re-test Date: 26-11-2028

## TENOFOVIR IMPURITY 76

### Identification

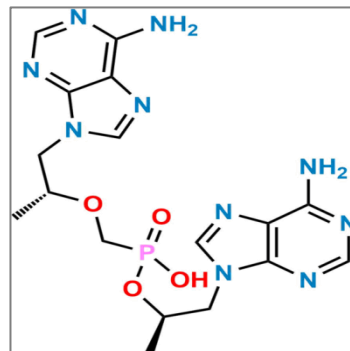
**Chemical Name** : (R)-1-(6-Amino-9H-purin-9-yl)propan-2-yl hydrogen (((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate

**CAT No** : ALL-TENO-144

**CAS No** : 1878175-77-9

**Molecular Formula** : C<sub>17</sub>H<sub>23</sub>N<sub>10</sub>O<sub>4</sub>P

**Molecular Weight** : 462.4



### Analytical Information

<b>Batch No.</b>	: ALL-TENO-144	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 97.65 %
<b>Appearance of Product</b>	: Clear 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>	: 0.167 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.183 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.167+0.183) × 98.00]/100 = 97.65 %

**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, 1H NMR, IR, TGA

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

#### Corporate Office