

Analysis Date: 03-11-2025

Re-test Date: 03-11-2028

TENOFOVIR ISOPROPYL IMPURITY

Identification

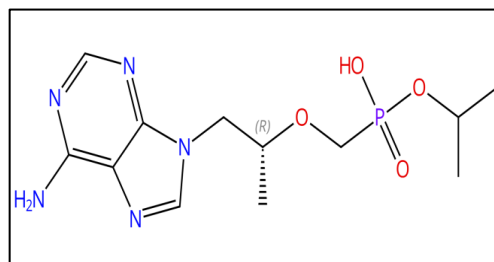
Chemical Name : Phosphonic acid, P-[[[(1R)-2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methyl]-, mono(1-methylethyl) ester (ACI)

CAT No : ALL-T05990

CAS No : 1346597-36-1

Molecular Formula : C₁₂H₂₀N₅O₄P

Molecular Weight : 329.29



Analytical Information

Batch No. : ALL-T05990

HPLC Purity : 98.00%

Solubility : MeOH: ACN

Potency : 96.74 %

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : 2-8 0C

IR Analysis : Confirm

Weight Loss By TGA : 0.563 %

¹H NMR : Confirm

Residue Of Ignition : 0.721%

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.563 + 0.721) \times 98.00] / 100 = 96.74\%$$

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

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