

Analysis Date: 15-03-2022

Re-test Date: 15-03-2025

TENOFOVIR IMPURITY D STANDARD

Identification

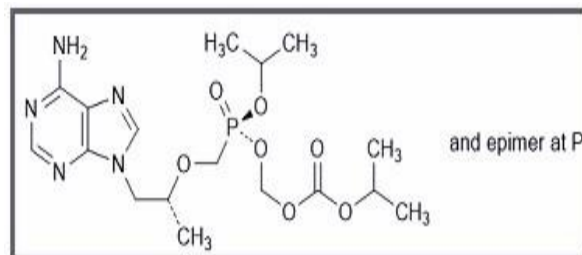
Chemical Name : O-(Isopropoxycarbonyloxymethyl)-O-isopropyl-((R)-[1-(6-Amino-9H-purin-9-yl)propan-2-yloxy]]methylphosphonate fumarate

CAT No : ALL-TENO-14

CAS No : 1422284-15-8

Molecular Formula : C₂₁H₃₂N₅O₁₁P

Molecular Weight : 561.48



Analytical Information

Batch No.	: ALL-TENO-14	HPLC Purity	: 97.35 %
Solubility	: MeOH: ACN	Potency	: 94.56 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 0C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.633 %	¹HNMR	: Confirm
Residue Of Ignition	: 1.228 %		

Additional Information

% Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (1.633 + 1.228) × 97.35]/100 = 94.56 %

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