

Analysis Date: 05-01-2022

Re-test Date: 05-01-2025

TENOFOVIR DISOPROXIL IMPURITY M

Identification

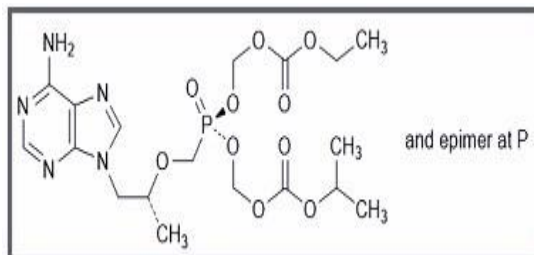
Chemical Name : Ethyl 1-methylethyl (5RS)-5-[[[(1R)-2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methyl]-5-oxo-2,4,6,8-tetraoxa-5-?5-phosphanonanedioate

CAT No : ALL-TENO-24

CAS No : 1422284-16-9

Molecular Formula : C₁₈H₂₈N₅O₁₀P

Molecular Weight : 505.42



Analytical Information

Batch No.	: ALL-TENO-24	HPLC Purity	: 98.12 %
Solubility	: MeOH: ACN	Potency	: 93.53 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.036 %	¹HNMR	: Confirm
Residue Of Ignition	: 4.639 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.036+4.639) × 98.12]/100 = 93.53 %

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