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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Tenofovir Disoproxil Fumarate IP Impurity G

Identification:

Chemical Name: O,O-Bis(isopropoxycarbonyloxymethyl) (S)-[1-(6-amino-9H-purin-9-yl)prop-2-yloxy]methylphosphonate (as per USP)

Synonyms : Tenofovir Disoproxil (S)-Isomer ;
Tenofovir Disoproxil USP
Related Compound A

CAS Number : 1280130-08-6

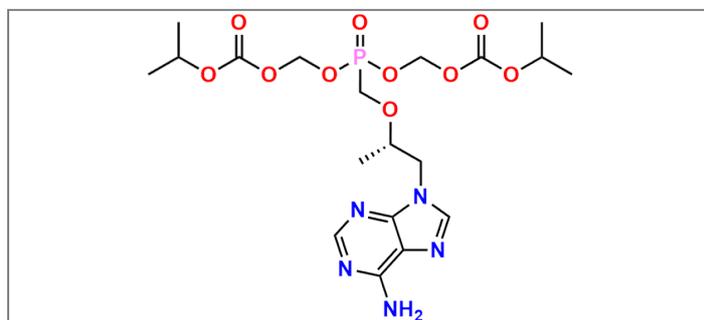
CAT Number : CP-T5020

Molecular Formula : C₁₉H₃₀N₅O₁₀P

Molecular Weight : 519.45

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

| Sr. No. | Test | Result |
|---------|--------------------|--------------------------|
| 1) | Description | Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | >95% |
| 5) | ¹ H NMR | Confirm to structure |
| 6) | IR | Confirm to Structure |
| 7) | Weight loss by TGA | - |
| 8) | Potency by TGA | - |



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.