

Analysis Date: 08-07-2024

Re-test Date: 08-07-2027

TENOFOVIR DISOPROXIL IMPURITY J

Identification

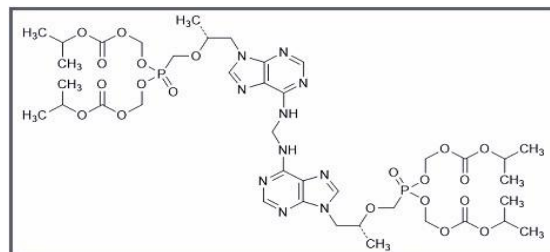
Chemical Name : 5-[[[(1R)-2-[6-[[[9-[(2R)-2,11-Dimethyl-5-[[[(1-methylethoxy)carbonyl]oxy] methoxy]-5-oxido-9-oxo-3,6,8,10-tetraoxa-5-phosphadodec-1-yl]-9H-purin-6-yl]amino]methyl]amino]-9H-purin-9-yl]-1-methylethoxy]methyl]-2,4,6,8-tetra

CAT No : ALL-765

CAS No : 1093279-76-5

Molecular Formula : C₃₉H₆₀N₁₀O₂₀P₂

Molecular Weight : 1050.9



Analytical Information

| | | | |
|------------------------------|---------------------------|--------------------------|-----------|
| Batch No. | : ALL-765 | HPLC Purity | : 95.14 % |
| Solubility | : MeOH: ACN | Potency | : 94.40 % |
| Appearance of Product | : Light Brown Sticky Mass | Mass | : Confirm |
| Long Term Storage | : 2-8 0C | IR Analysis | : Confirm |
| Weight Loss By TGA | : 0.691 % | ¹H NMR | : Confirm |
| Residue Of Ignition | : 0.086 % | | |

Additional Information

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

$$[100 - (0.691 + 0.086) \times 95.14] / 100 = 94.40 \%$$

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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