

Analysis Date: 31-10-2025

Re-test Date: 31-10-2028

## TENOFOVIR DISOPROXIL FUMARATE IP IMPURITY K

### Identification

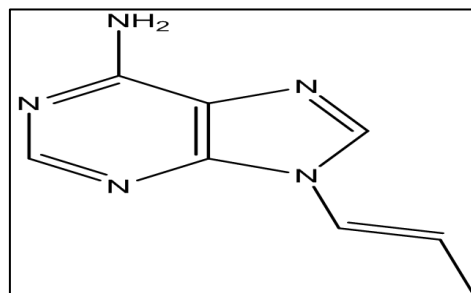
Chemical Name : 9-Propenyladenine

CAT No : ALL-TENO-2549

CAS No : 4121-40-8 ;1446486-33-4

Molecular Formula : C<sub>8</sub>H<sub>9</sub>N<sub>5</sub>

Molecular Weight : 175.19



### Analytical Information

Batch No. : ALL-TENO-2549

Solubility : MeOH: ACN

Appearance of Product : Off White Solid

Long Term Storage : 2-8 °C

Weight Loss By TGA : 1.854 %

Residue Of Ignition : 0.831%

HPLC Purity : 98.00 %

Potency : 95.36 %

Mass : Confirm

IR Analysis : Confirm

<sup>1</sup>H NMR : Confirm

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (1.854 + 0.831) \times 98.00] / 100 = 95.36 \%$$

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, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

### Corporate Office

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