

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT025002-01)

Release Date: 15/05/2024

Re-test Date: 14/05/2027

## TAFRC-4

### Identification

**Chemical Name :**

phenyl hydrogen (((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate

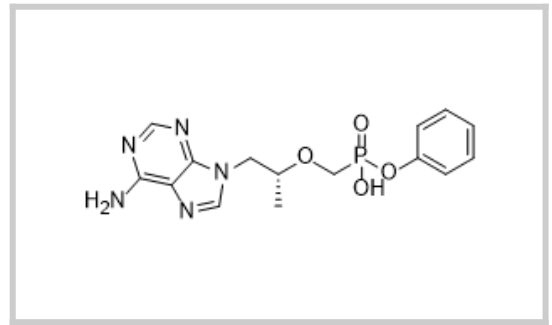
**Alt. Name** : Tenofovir Monophenyl Ester Impurity  
: Tenofovir Monophenyl PMPA

**CAT No.** : KMT025002

**CAS No.** : 379270-35-6

**Molecular Formula** : C<sub>15</sub>H<sub>18</sub>N<sub>5</sub>O<sub>4</sub>P

**Molecular Weight** : 363.31



### Analytical Information

**Batch No.** : TEN-RC4-073-212

**Description** : White Solid

**HPLC Purity** : 99.91 %

**Weight Loss By TGA** : 0.25 %

**% Potency** : 99.66 %

**Solubility** : ACN

**Mass** : Confirm

**IR** : Confirm

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

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 0.25(Weight Loss By TGA)] x [99.91(HPLC Purity)]/100 = 99.66 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		16/05/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA