

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA059001-01)

Release Date: 07/05/2024

Re-test Date: 06/05/2027

## Aciclovir (Finished Goods)

### Identification

**Chemical Name :**

2-Amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one (as per EP) ; 9-[(2-Hydroxyethoxy)methyl]guanine (as per USP)

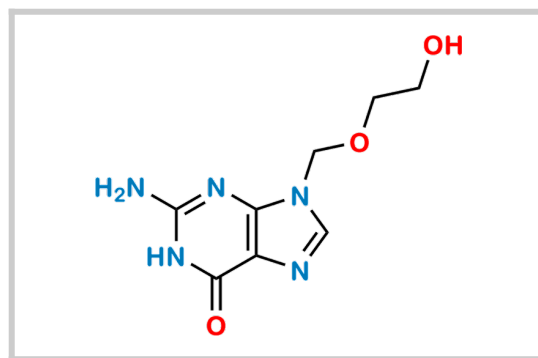
**Alt. Name** : Valaciclovir EP Impurity B ; Acivir ;  
Acyclo V ; Acycloguanosine ; Acyclovir  
; Avirase ; Axiluwei

**CAT No.** : KMA059001

**CAS No.** : 59277-89-3

**Molecular Formula** : C<sub>8</sub>H<sub>11</sub>N<sub>5</sub>O<sub>3</sub>

**Molecular Weight** : 225.2



### Analytical Information

**Batch No.** : ANT-ACY-FB-001

**Description** : White solid

**HPLC Purity** : 99.75 %

**Weight Loss By TGA** : 3.19 %

**% Potency** : 96.57 %

**Solubility** : Acetonitrile

**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 - 3.19(Weight Loss By TGA)] x [99.75(HPLC Purity)]/100 = 96.57 %

Remark : This Product is Finished Product.

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		06/12/2025

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