# CERTIFICATE OF ANALYSIS

(Certificate No. KMA059002-01)

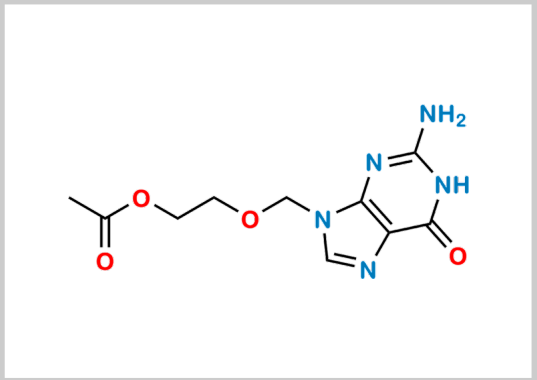
**Release Date:** 01/10/2025 **Re-test Date:** 30/09/2028

## ACYCLOVIR EP IMPURITY A

## Identification

**Chemical Name** :
2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl acetate (as per EP & USP)

| | |
|---|---|
| **Alt. Name** | : O-Acetylacyclovir ; Valaciclovir EP Impurity I ; Acyclovir USP Related Compound A ; Valaciclovir USP Related Compound I |
| **CAT No.** | : KMA059002 |
| **CAS No.** | : 102728-64-3 |
| **Molecular Formula** | : C10H13N5O4 |
| **Molecular Weight** | : 267.2 |




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : SL-SAN-195-084 | **Solubility** | : Methanol |
| **Description** | : White solid | **Mass** | : Confirm |
| **HPLC Purity** | : 93.90 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.23 % | **1H NMR** | : Confirm |
| **% Potency** | : 93.68 % | | |

## 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 - 0.23(Weight Loss By TGA)] x [93.90(HPLC Purity)]/100 = 93.68 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 16/04/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 16/04/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR,IR and TGA