# CERTIFICATE OF ANALYSIS

(Certificate No. KMA059008-01)

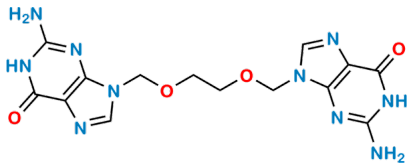
**Release Date:** 18/03/2025 **Re-test Date:** 17/03/2028

## ACYCLOVIR IMPURITY J

## Identification

**Chemical Name** :
9,9′-[Ethane-1,2-diylbis(oxymethylene)]bis(2-amino-1,9-dihydro-6H-purin-6-one) (as per EP) ; 1,2-Bis[(2-amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethane (as per USP)

| | |
|---|---|
| **Alt. Name** | : Acyclovir 9,9'-Diguanyl analog (USP) ; O-[(Guanin-9-yl)methyl] Acyclovir |
| **CAT No.** | : KMA059008 |
| **CAS No.** | : 166762-90-9 |
| **Molecular Formula** | : C14H16N10O4 |
| **Molecular Weight** | : 388.3 |



## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : SL-RSK-261-126 | **Solubility** | : Methanol |
| **Description** | : White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 87.82 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.76 % | **1H NMR** | : Confirm |
| **% Potency** | : 87.15 % | | |

## 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 - 0.76(Weight Loss By TGA)] x [87.82(HPLC Purity)]/100 = 87.15 %

**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