

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA059013-01)

Release Date: 08/02/2024

Re-test Date: 07/02/2027

## HYDROXYETHYL GUANINE (ACYCLOVIR IMPURITY P)

### Identification

**Chemical Name :**

2-Amino-9-(2-hydroxyethyl)-1,9-dihydro-6H-purin-6-one (as per EP & USP)

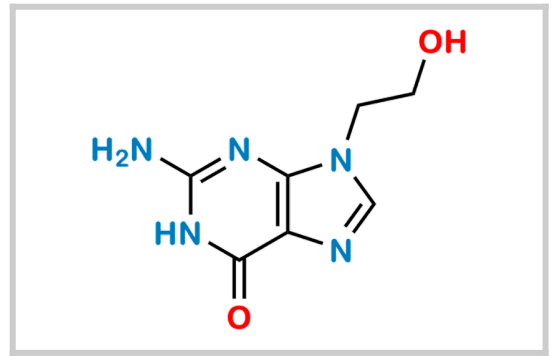
**Alt. Name** : Hydroxyethyl guanine (USP) ; 9-(2-Hydroxyethyl)guanine

**CAT No.** : KMA059013

**CAS No.** : 23169-33-7

**Molecular Formula** : C<sub>7</sub>H<sub>9</sub>N<sub>5</sub>O<sub>2</sub>

**Molecular Weight** : 195.2



### Analytical Information

**Batch No.** : SL-YSA-273-198

**Description** : Off White Solid

**HPLC Purity** : 99.88 %

**Weight Loss By TGA** : 0.07 %

**% Potency** : 99.81 %

**Solubility** : Methanol

**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 - 0.07(Weight Loss By TGA)] x [99.88(HPLC Purity)]/100 = 99.81 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		16/04/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		16/04/2026

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