

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA059003-01)

Release Date: 17/06/2026

Re-test Date: 16/06/2029

## Acyclovir Impurity B

### Identification

**Chemical Name :**

2-amino-1,7-dihydro-6H-purin-6-one (as per EP & USP)

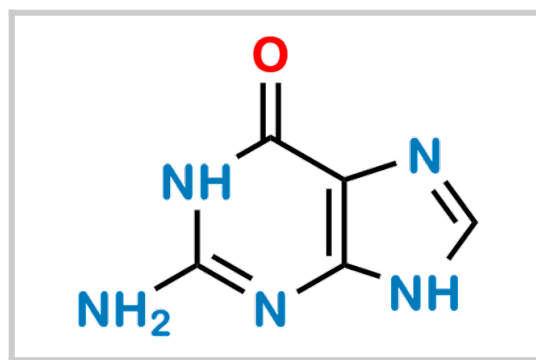
**Alt. Name** : Guanine (EP & USP) ; Valaciclovir EP Impurity A ; Valaciclovir USP Related Compound A

**CAT No.** : KMA059003

**CAS No.** : 73-40-5

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

**Molecular Weight** : 151.1



### Analytical Information

**Batch No.** : ACY-IMP-I-045-281

**Description** : White Solid

**HPLC Purity** : 98.23 %

**Weight Loss By TGA** : 0.23 %

**% Potency** : 98 %

**Solubility** : 0.1 N NaOH

**Mass** : Confirm as Na adduct

**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 - 0.23(Weight Loss By TGA)] x [98.23(HPLC Purity)]/100 = 98 %

-Re-tested on 17.06.2026

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		17/06/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		17/06/2026

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