

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)

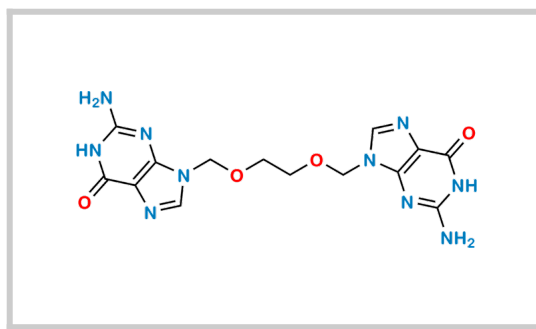
Alt. Name : Acyclovir 9,9'-Diguanyl analog (USP)
; O-[(Guanin-9-yl)methyl] Acyclovir

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, ¹H NMR, IR and TGA