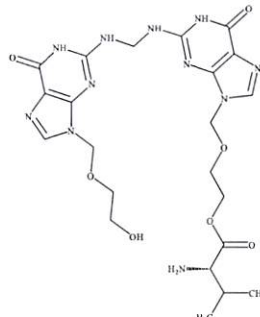


Certificate of Analysis


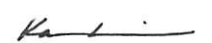
Certificate No.: 20260325011

Date: March 25, 2026

Retest date: March 20, 2027

Compound Name:	Valaciclovir EP Impurity O	
Synonyms:	2-((2-(((9-((2-hydroxyethoxy)methyl)-6-oxo-6,9-dihydro-1H-purin-2-yl)amino)methyl)amino)-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy)ethyl L-valinate	
TLC Catalogue Number:	V-0112	
CAS Number:	N/A	
Alternate CAS Number:	N/A	
Molecular Weight:	561.56	
Molecular Formula:	C ₂₂ H ₃₁ N ₁₁ O ₇	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7362-009A8	
Storage Conditions:	Store at -20 °C	
Solubility:	Solution of Acetonitrile and Water, DMSO	

Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	95.0%
Impurity (HPLC)	RT 1.11, 0.52%; RT 1.22, 0.68%; RT 5.58, 1.28%	
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.33, 0.1N HCl (aq)): +2.1°
Residual Solvents (NMR)	1.1% dimethylformamide	
Assay (qNMR)	Not less than 85.0%	91.5%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		03/25/2026
Approved by:	Quality Assurance		03/25/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.