



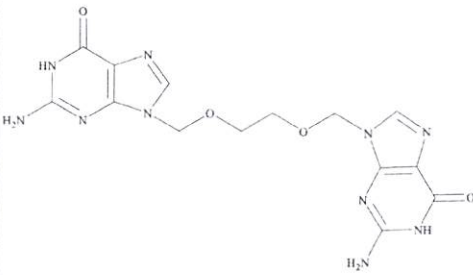
# TLC PHARMACEUTICAL STANDARDS

## Certificate of Analysis



Certificate No.: 20250207005

Date: February 7, 2025

Retest date: February 6, 2028

<b>Compound Name:</b>	Aciclovir (Acyclovir) EP Impurity J	
<b>Synonyms:</b>	9,9'-((ethane-1,2-diylbis(oxy))bis(methylene))bis(2-amino-1,9-dihydro-6H-purin-6-one)	
<b>TLC Catalogue Number:</b>	A-0410	
<b>CAS Number:</b>	166762-90-9	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	388.35	
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>16</sub> N <sub>10</sub> O <sub>4</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	C0062-087A3	
<b>Storage Conditions:</b>	Hygroscopic, store at 2-8 °C	
<b>Solubility:</b>	DMSO (heated)	

Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	Conforms
<b>Identification</b>		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
<sup>1</sup> H NMR	Conforms to structure	Conforms
<b>Purity (HPLC)</b>	Not less than 95.0%	96.6%
<b>Impurity (HPLC)</b>	RT 9.70, 0.37%; RT 15.35, 1.43%; RT 15.85, 0.80%	
<b>Water Content (KF)</b>	N/A	4.3%
<b>Residual Solvents (NMR)</b>	0.1% methanol	
<b>Assay (%)</b>	Not less than 90.0%	92.4%
<b>Recommendation:</b>	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		02/07/2025
Approved by:	Quality Assurance		02/07/2025

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