

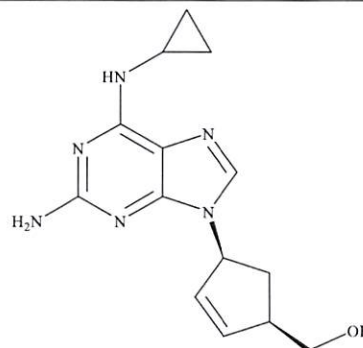
## Certificate of Analysis

Certificate No.: 20250702019



Date: July 2, 2025

Retest date: June 26, 2028

<b>Compound Name:</b> Abacavir EP Impurity A	
<b>Synonyms:</b>	((1R,4S)-4-(2-amino-6-(cyclopropylamino)-9H-purin-9-yl)cyclopent-2-en-1-yl)methanol
<b>sTLC Catalogue Number:</b>	A-2814
<b>CAS Number:</b>	136470-79-6
<b>Alternate CAS Number:</b>	935777-88-1 (Sulfate salt)
<b>Molecular Weight:</b>	286.34
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>18</sub> N <sub>6</sub> O
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	6925-017A7
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, Ethanol



Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Purity (Chiral HPLC)</b>	Not less than 98.0%	<b>100.0%</b>
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20.0</sup> (c=0.45, CH <sub>3</sub> OH): +58.1°	[α] <sub>D</sub> <sup>20.0</sup> (c=0.66, CH <sub>3</sub> OH): <b>+51.9°</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>97.1%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/16/2025
Approved by:	Quality Assurance		07/16/2025

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