

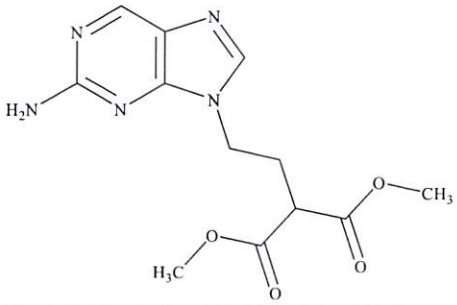
## Certificate of Analysis

Certificate No.: **20230815008**



Date: August 15, 2023

Retest date: August 14, 2026

<b>Compound Name:</b> Famciclovir Impurity 12	
<b>Synonyms:</b>	dimethyl 2-(2-(2-amino-9H-purin-9-yl)ethyl)malonate
<b>TLC Catalogue Number:</b>	F-0127
<b>CAS Number:</b>	122497-20-5
<b>Molecular Weight:</b>	293.28
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>15</sub> N <sub>5</sub> O <sub>4</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	3354-087A4
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, Acetonitrile



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>98.5%</b>
<b>Impurity (HPLC)</b>	RT 14.07, 1.44%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.3%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		08/16/2023
Approved by:	Quality Assurance		08/16/2023

**Attachments:** HPLC, IR, MS and NMR spectra.