

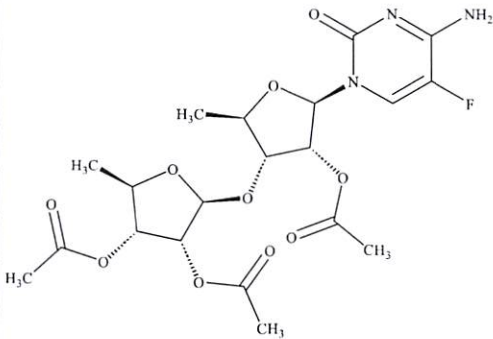
Certificate of Analysis

Certificate No.: **20250604003**



Date: June 4, 2025

Retest date: May 20, 2028

Compound Name: Capecitabine Impurity 23	
Synonyms:	(2S,3R,4R,5R)-2-(((2R,3R,4R,5R)-4-acetoxy-5-(4-amino-5-fluoro-2-oxopyrimidin-1(2H)-yl)-2-methyltetrahydrofuran-3-yl)oxy)-5-methyltetrahydrofuran-3,4-diyl diacetate
TLC Catalogue Number:	C-3537
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	487.44
Molecular Formula:	C ₂₀ H ₂₆ FN ₃ O ₁₀
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6726-089A6
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, DMF, Acetonitrile



Test Description	Specifications	Results
Visual Description	White to 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 95.0%	98.8%
Impurity (HPLC)	RT 2.57, 0.99%	
Water Content (KF)	N/A	0.6%
Residual Solvents (NMR)	2.6% ethyl acetate and 0.4% acetic acid	
Assay (%)	Not less than 90.0%	95.2%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/04/2025
Approved by:	Quality Assurance		06/04/2025

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