

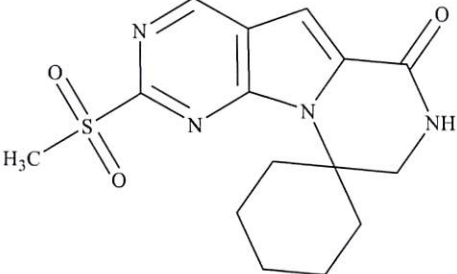
Certificate of Analysis

Certificate No.: **20260618006**



Date: June 18, 2026

Retest date: June 15, 2029

Compound Name: Trilaciclib Impurity 3	
Synonyms:	2'-(methylsulfonyl)-7',8'-dihydro-6'H-spiro[cyclohexane-1,9'-pyrazino[1',2':1,5]pyrrolo[2,3-d]pyrimidin]-6'-one
TLC Catalogue Number:	T-474007
CAS Number:	2170747-01-8
Alternate CAS Number:	N/A
Molecular Weight:	334.39
Molecular Formula:	C ₁₅ H ₁₈ N ₄ O ₃ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7287-097A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, DMF



Test Description	Specifications	Results
Visual Description	Pale yellow 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%	99.2%
Impurity (HPLC)	RT 16.33, 0.64%	
Water Content (KF)	N/A	0.4%
Residual Solvents (NMR)	0.4% methanol and 2.4% acetonitrile	
Assay (%)	Not less than 90.0%	96.0%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/18/2026
Approved by:	Quality Assurance		06/18/2026

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