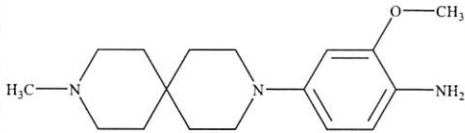


## Certificate of Analysis


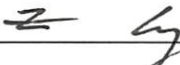
Certificate No.: **20260604004**

Date: June 4, 2026

Retest date: May 29, 2029

<b>Compound Name:</b>	<b>Iruplinalkib Impurity 7</b>	
<b>Synonyms:</b>	2-methoxy-4-(9-methyl-3,9-diazaspiro[5.5]undecan-3-yl)aniline	
<b>TLC Catalogue Number:</b>	I-167013	
<b>CAS Number:</b>	1818847-36-7	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	289.42	
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>27</sub> N <sub>3</sub> O	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7057-018A2	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	Purple solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>98.4%</b>
<b>Impurity (HPLC)</b>	RT 5.52, 0.33%; RT 11.02, 0.14%; RT 11.95, 0.26%	
<b>Residual Solvents (NMR)</b>	0.1% dichloromethane	
<b>Assay (qNMR)</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		06/04/2026
Approved by:	Quality Assurance		06/04/2026

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