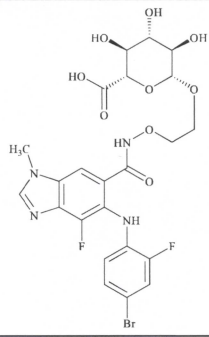


## Certificate of Analysis


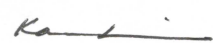
Certificate No.: 20251229024-2

Date: December 29, 2025

Retest date: December 24, 2028

<b>Compound Name:</b>	<b>Binimetinib Glucuronide</b>	
<b>Synonyms:</b>	(2S,3S,4S,5R,6R)-6-(2-((5-((4-bromo-2-fluorophenyl)amino)-4-fluoro-1-methyl-1H-benzo[d]imidazole-6-carboxamido)oxy)ethoxy)-3,4,5-trihydroxytetrahydro-2H-pyran-2-carboxylic acid	
<b>TLC Catalogue Number:</b>	B-207002	
<b>CAS Number:</b>	N/A	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	617.36	
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>23</sub> BrF <sub>2</sub> N <sub>4</sub> O <sub>9</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7187-041A4	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	DMSO, solution of Water and 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>99.2%</b>
<b>Impurity (HPLC)</b>	RT 15.53, 0.36%; RT 16.17, 0.48%	
<b>Water Content (KF)</b>	N/A	<b>3.6%</b>
<b>Residual Solvents (NMR)</b>	0.1% acetic acid and 0.1% acetonitrile	
<b>Assay (%)</b>	Not less than 90.0%	<b>95.4%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/09/2026
Approved by:	Quality Assurance		01/09/2026

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