

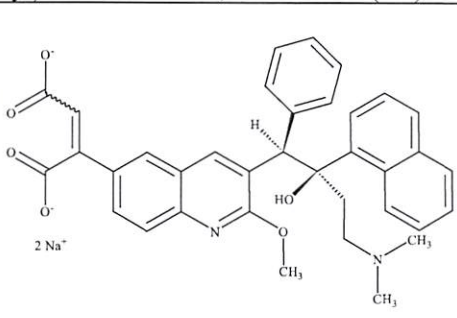
## Certificate of Analysis

Certificate No.: **20260209501**

Date: February 9, 2026



Retest date: January 23, 2029

<b>Compound Name:</b> Bedaquiline Impurity 10 Disodium Salt	
<b>Synonyms:</b>	2-(3-((1R,2S)-4-(dimethylamino)-2-hydroxy-2-(naphthalen-1-yl)-1-phenylbutyl)-2-methoxyquinolin-6-yl)but-2-enedioate, sodium salt (1:2)
<b>TLC Catalogue Number:</b>	B-101017
<b>CAS Number:</b>	N/A
<b>Alternate CAS Number:</b>	N/A
<b>Molecular Weight:</b>	588.66 2*22.99
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>32</sub> N <sub>2</sub> O <sub>6</sub> . 2 Na
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	C0269-005A5
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol (heated)



Chemical structure showing the disodium salt of the impurity, featuring a quinoline core, a naphthalene ring, a dimethylamino group, a hydroxyl group, and a butyrate ester group.

Test Description	Specifications	Results
<b>Visual Description</b>	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>98.2%</b>
<b>Impurity (HPLC)</b>	RT 9.91, 0.61%; RT 10.87, 0.30%; RT 13.70, 0.66%	
<b>Optical Rotation</b>	N/A	[α] <sub>D</sub> <sup>25.0</sup> (c=0.32, CH <sub>3</sub> OH): <b>-195.4°</b>
<b>Residual Solvents (NMR)</b>	1.0% acetone	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>97.4%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		02/09/2026
Approved by:	Quality Assurance		02/09/2026

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