

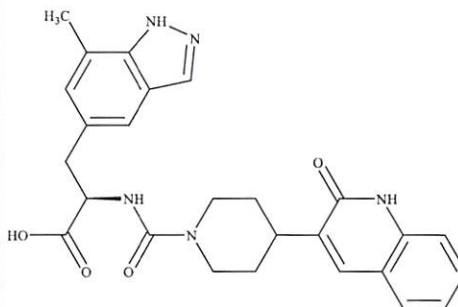
# Certificate of Analysis

 Certificate No.: **20260414001**


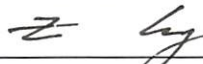
Date: April 14, 2026

Retest date: March 19, 2029

<b>Compound Name:</b> Zavegepant Impurity 13	
<b>Synonyms:</b>	(R)-3-(7-methyl-1H-indazol-5-yl)-2-(4-(2-oxo-1,2-dihydroquinolin-3-yl)piperidine-1-carboxamido)propanoic acid
<b>TLC Catalogue Number:</b>	Z-046018
<b>CAS Number:</b>	928014-62-4
<b>Alternate CAS Number:</b>	N/A
<b>Molecular Weight:</b>	473.53
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>27</sub> N <sub>5</sub> O <sub>4</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	7348-009A8
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, DMF



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>99.0%</b>
<b>Impurity (HPLC)</b>	RT 3.77, 0.15%; RT 5.02, 0.19%; RT 12.92, 0.47%	
<b>Purity (Chiral HPLC)</b>	Not less than 98.0%	<b>99.9%</b>
<b>Optical Rotation</b>	N/A	[α] <sub>D</sub> <sup>25.0</sup> (c=0.46, DMSO): <b>+2.8°</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>94.2%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04/14/2026
Approved by:	Quality Assurance		04/14/2026

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