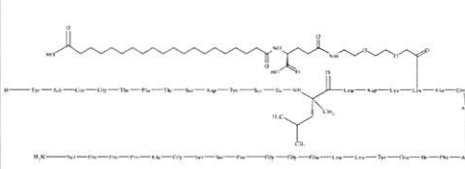


# Certificate of Analysis



 Certificate No.: **20260130003-2**

Date: January 30, 2026

Retest date: January 27, 2029

<b>Compound Name:</b>	<b>Retatrutide</b>	
<b>TLC Catalogue Number:</b>	PR-178001	
<b>CAS Number:</b>	2381089-83-2	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	4731.42	
<b>Molecular Formula:</b>	C <sub>221</sub> H <sub>342</sub> N <sub>46</sub> O <sub>68</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7309-005A5	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO	

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>99.4%</b>
<b>Impurity (HPLC)</b>	RT 29.82, 0.23%; RT 30.06, 0.12%	
<b>Water Content (KF)</b>	N/A	<b>5.0%</b>
<b>Optical Rotation</b>	N/A	$[\alpha]_D^{25.0}(c=0.57, CH_3OH)$ : <b>-14.0°</b>
<b>Residual Solvents (qNMR)</b>	1.1% trifluoroacetic acid	
<b>Assay (%)</b>	Not less than 90.0%	<b>93.3%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		02/17/2026
Approved by:	Quality Assurance		02/17/2026

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