INDEPENDENT LABORATORY TESTING · CERTIFIED ANALYST · 2026

HPLC Purity Analysis

Retatrutide — Research Grade Verification

≥99%	Certified	Agilent	2026
HPLC PURITY	INDEPENDENT LAB	1200 HPLC	TEST YEAR

ANALYSIS REPORT — RETATRUTIDE

Retatrutide

GLP-1 / GIP / Glucagon Triple Agonist

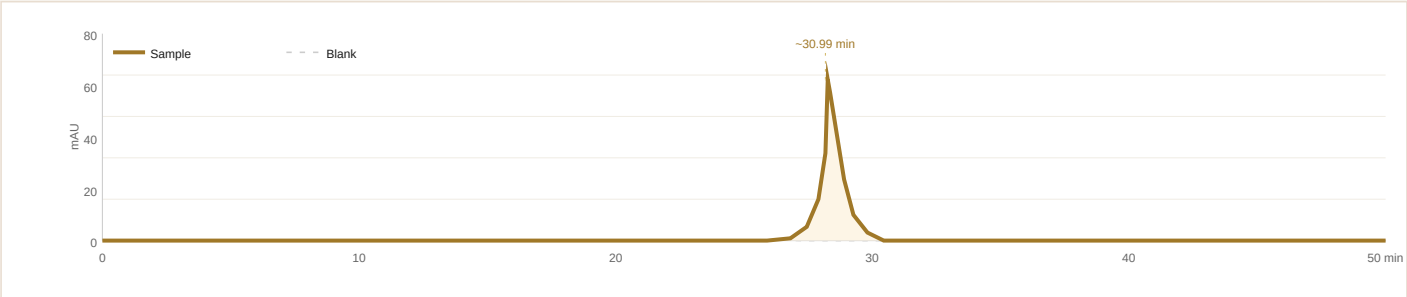
Dose: **20mg** · Batch: **S1 & S2** · Operator: **Certified Analyst** · Instrument: **Agilent 1200 HPLC**

≥99%

HPLC PURITY

No impurities detected

CHROMATOGRAM — R1 & R2 vs BLANK



Both R1 and R2 show a single dominant peak at ~30.99 min with ≥99% area purity. Background in blank confirms no solvent interference.

AREA PERCENT REPORT — PEAK DATA

Sample	Pk	Ret. Time	Type	Width	Area (mAU·s)	Ht (mAU)	Area %
S1 — R1	1	30.99	VB	0.1823	617.5	52.1	**≥99%**
Totals					617.5	52.1	**≥99%**
S2 — R2	1	30.99	BB	0.1841	733.2	62.0	**≥99%**
Totals					733.2	62.0	**≥99%**
Blank	—	No peaks — background only					—

INSTRUMENT & METHOD DETAILS

Instrument	Agilent 1200 HPLC	Solvent A	Water + 0.1% TFA
Detector	MWD1, 280 nm	Solvent B	ACN + 0.1% TFA
Column	C18 Reversed-Phase	Gradient	2% B/min, 5-95%
Flow Rate	0.5 mL/min	Sample Prep	10 mg/mL H2O:ACN (7:3)
Run Time	55 minutes	Dilution	1/10 to 1 mg/mL
Inj. Volume	5.0 µL	Operator	Certified Analyst

Result: Passed — ≥99% HPLC Purity.

✓ Both vials S1 and S2 of Retatrutide show a single chromatographic peak with ≥99% purity by conservative HPLC area percent. Blank confirms no background interference. Vial-to-vial consistency is excellent.

TESTING METHODOLOGY

01

Sample Prep

Dissolved in H2O:ACN (7:3) at 10 mg/mL, vortexed, diluted 1/10 to 1 mg/mL.

02

HPLC Analysis

5 µL onto C18 column. Gradient 5-95% ACN, 55 min, 0.5 mL/min. UV 280 nm. Peak ~30.99 min.

03

Purity Calc

≥99% by HPLC area percent. Blank confirms background is solvent-derived only.