Keystone

FOR LABORATORY RESEARCH USE ONLY.

keystonecompounds.com

CERTIFICATE NO.
PL–26–00290

VERIFICATION KEY
PV5NCSPJ

Scan or enter both at prymalab.net/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR KEYSTONE

Selank 11 mg

TESTED IN-HOUSE BY PRYMALAB

In-house analytical result, not an independent third-party test

Lot **PL-2610-177** · Lyophilized powder · Label claim **11 mg per vial** · Distributed as **Selank 11 mg**

LOT / BATCH NUMBER	DATE MADE	DATE OF ANALYSIS	DATE ISSUED
PL–2610–177	**2026-10-06**	**2026-10-08**	**2026-10-22**
RETEST / EXPIRY	**UNITS IN LOT / SAMPLED**	**STORAGE**	**CERTIFICATE TYPE**
2028-10-06	**229 / 2**	–20 °C, desiccated, dark	Lot COA, 2 pages

COMPOUND
Selank
Tuftsin-Pro-Gly-Pro heptapeptide (TKPRPGP)

SEQUENCE
TKPRPGP

CAS NUMBER
129954-34-3

MOLECULAR FORMULA
$C_{33}H_{57}N_{11}O_9$

THEORETICAL MASS (AVG.)
751.89 Da

PURITY · RP-HPLC, AREA %
99.81%
Specification ≥ 99.0% • main peak at 14.70 min

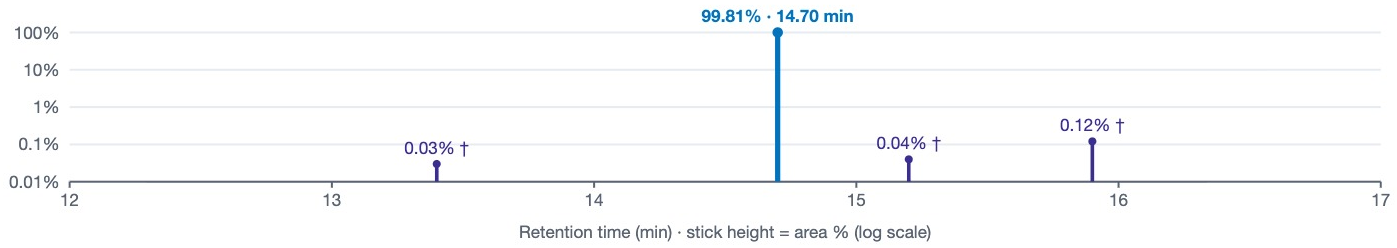
IDENTITY · OBSERVED MASS
751.86 Da
Theoretical 751.89 Da • –0.03 Da (40 ppm)

OVERALL CONCLUSION
PASS
Meets every specification for the tests performed

TEST	METHOD	SPECIFICATION	RESULT	CONCLUSION
Identity (mass)	LC-MS, ESI positive	Theoretical ± 1.0 Da	751.86 Da	**PASS**
Purity	RP-HPLC, UV 214 nm, area%	≥ 99.0%	99.81%	**PASS**
Largest impurity	RP-HPLC, area%	≤ 1.0%	0.12% (RT 15.90)	**PASS**
Water content	Karl Fischer	≤ 5.0%	1.38%	**PASS**
Bacterial endotoxin	LAL, kinetic	≤ 5.0 EU/mg	0.276 EU/mg	**PASS**
Sterility	USP <71>, 14-day	No growth	No growth	**PASS**

1 HPLC CHROMATOGRAM

Data file: PL-2610-177-HPLC.raw · Column C18, 150 × 4.6 mm · UV 214 nm



Peak plot drawn from the integrated peak table (area %, log scale); it is not the instrument trace, which is retained in PL-2610-177-HPLC.raw. † Nominal reference retention time for the assigned impurity; the main-peak RT is observed in this lot.

For laboratory research use only. Not for human or veterinary use.

2 HPLC METHOD · PL-2610-177-HPLC.RAW

INSTRUMENT
Waters Alliance e2695

DATA SYSTEM
Empower 3

DETECTOR
UV absorbance

DETECTION WAVELENGTH
214 nm

COLUMN
C18, 150 × 4.6 mm, 3.5 µm

MOBILE PHASE A
0.1% TFA in water

MOBILE PHASE B
0.1% TFA in MeCN

GRADIENT
5–95% B over 25 min (linear)

FLOW RATE
1.0 mL/min

COLUMN TEMPERATURE
40 °C

INJECTION VOLUME
10 µL

3 GRADIENT PROGRAM

TIME (MIN)	% A	% B
0.0	95	5
25.0	5	95

4 PEAK TABLE

PEAK	RT (MIN)	AREA	AREA %
1	13.40 †	—	0.03
2	**14.70**	**—**	**99.81**
3	15.20 †	—	0.04
4	15.90 †	—	0.12
Total		—	100.00

Peaks: 1 deamidation product; 2 main peak (Selank); 3 truncated sequence; 4 unidentified impurity · Area % from the integrated peak table (absolute areas are not part of the lot-release export) · † nominal reference RT for the assigned impurity · Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

5 IDENTITY BY MASS SPECTROMETRY

INSTRUMENT
Waters SQD

IONIZATION / MODE
ESI, positive

REFERENCE M/Z (CHARGE)
752.90 (M+H)+

DECONVOLUTED MASS
751.86 Da

THEORETICAL MASS
751.89 Da

DIFFERENCE
−0.03 Da (40 ppm)

DATA FILE
PL-2610-177-MS.d

ACCEPTANCE
Within ± 1.0 Da

6 ADDITIONAL TESTS

TEST	PERFORMED BY	DATE	REPORT / FILE
Water content (Karl Fischer)	PrymaLab Analytical	2026-10-08	—
Endotoxin (LAL, kinetic)	PrymaLab Analytical	2026-10-08	—
Sterility (USP <71>, day-14 read-out)	PrymaLab Analytical	2026-10-22	—

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

D. Reynolds
Analyst · performed the testing
Date: 2026-10-22

S. Calloway
Reviewer · checked against raw data
Date: 2026-10-22

M. Phelps
Lab Director · approved for release
Date: 2026-10-22

Raw data retained at: Empower 3, project PL-2610, archive PL-ARC-2026; 7 years. Outside laboratory reports attached: None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Keystone, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00290 and key PV5NCSPJ at prymalab.net/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.