

## CERTIFICATE OF ANALYSIS

Catalog No.: 194722  
Product Name: KPV  
Sequence: Lys-Pro-Val  
Lot Number: P241230-LC194722  
Molecular Formula: C<sub>16</sub>H<sub>30</sub>N<sub>4</sub>O<sub>4</sub>  
Molecular Weight: 342.43  
Store at: Cool dry place

Tests	Specifications	Results
Appearance	White to off white powder	Consistent
Purity(HPLC)	≥98%	99.13%
Water	≤6.0%	4.72%
Acetic Acid	≤10%	8.41%
Trifluoroacetic Acid	≤1%	0.35%
Peptide Content	≥80%	86.49%
MS	Consistent	Consistent
Endotoxin	< 5EU/mg	Consistent

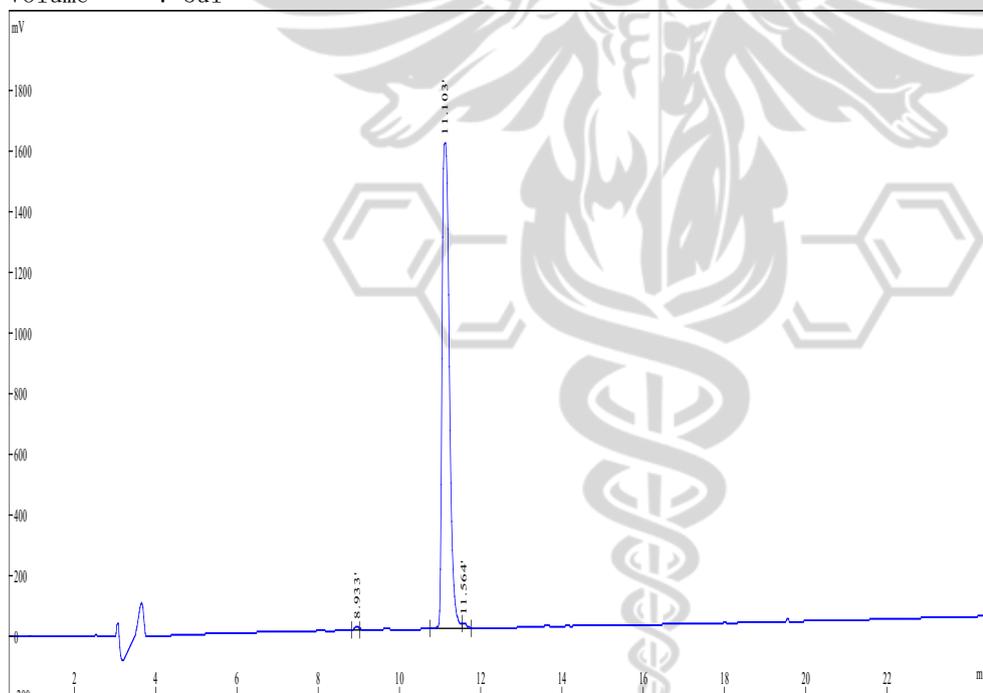
**Note: this product is intended for research use only; not for diagnostic or human use.**

SOVEREIGN HEALTH  
AND PERFORMANCE

REPORT

Sample Description:

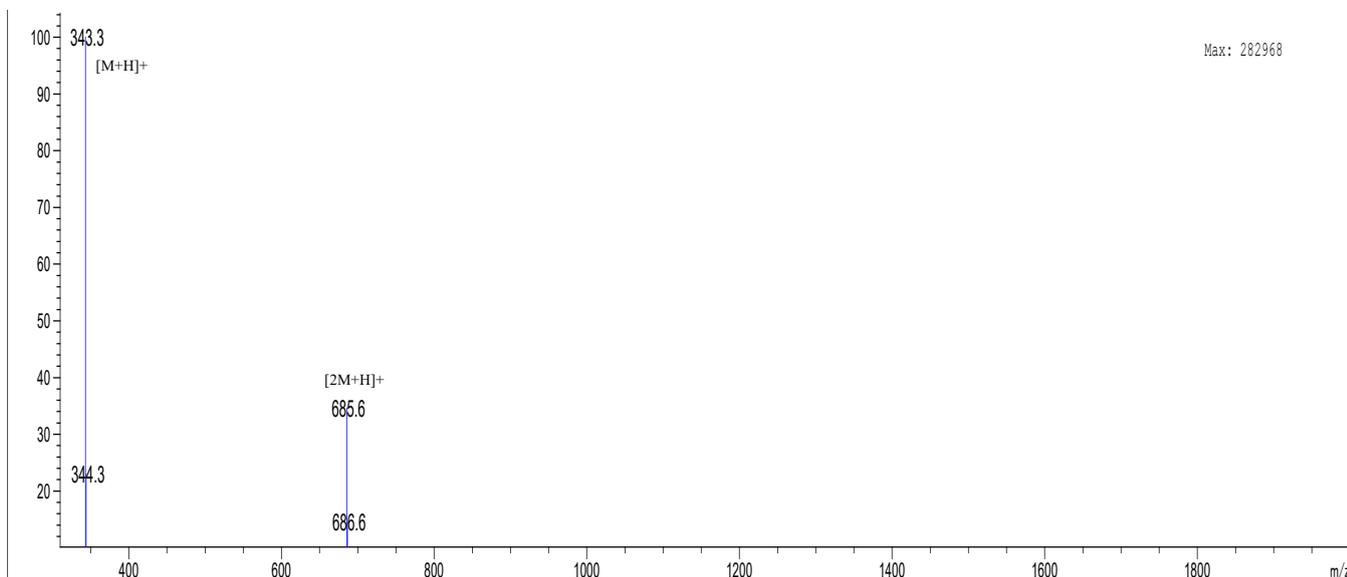
Structure : KPV KV-3  
 Number : 0200046  
 Analyst : HCM  
 Lot No : P241230-LC194722  
 Column : 4.6mm\*250mm, SinoChrom ODS-BP  
 Solvent A : 0.1% trifluoroacetic in 100% acetonitrile  
 Solvent B : 0.1% trifluoroacetic in 100% water  
 Gradient :  
                   A                  B  
 0.01min      5%                  95%  
 25min         30%                 70%  
 25.1min     100%                 0%  
 30.0min                          STOP  
 Flow rate : 1.0ml/min  
 Wavelength : 220nm  
 Volume : 5ul



Rank	Time	Conc.	Area	Height
1	8.933	0.3015	55401	8918
2	11.103	99.13	18212747	1602052
3	11.564	0.5706	104841	16695
Total		100	18372989	1627665

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## MASS SPECTROMETRY REPORT



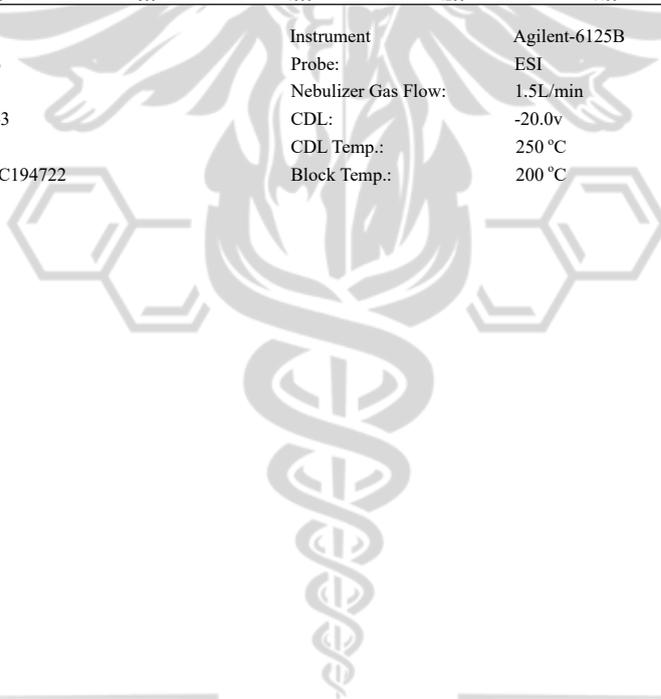
### Sample Description

Analyzed date: 2025-07-16  
Analyst: YU  
Sample: KPV KV-3  
M.W.: 342.43  
Lot. No.: P241230-LC194722

### Instrument

Agilent-6125B  
Probe: ESI  
Nebulizer Gas Flow: 1.5L/min  
CDL: -20.0v  
CDL Temp.: 250 °C  
Block Temp.: 200 °C

Probe Bias: +4.5kv  
Detector: 1.5kv  
T. Flow: 0.2ml/min  
B. Conc.: 50%H<sub>2</sub>O/50%ACN



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