

<b>PRODUCT NAME</b>	<b>CATALOG NO.</b>	<b>LOT NO.</b>	<b>GRADE</b>
<b>DSIP</b>	[SWK-015]	[SK-DSIP-240415]	Research Grade
<b>DESCRIPTION</b>	<b>FORMAT</b>	<b>QUANTITY</b>	<b>CAS NO.</b>
Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu	Pre-loaded StabPen™300 calibrated units	[e.g. 10mg / pen]	[62568-57-4]
<b>MANUFACTURE DATE</b>	<b>EXPIRY DATE</b>	<b>STORAGE</b>	
2026-04-01	2027-04-01	2–8°C (refrigerated) · Protect from direct light	

## PURITY ANALYSIS

Test	Method	Specification	Result	Status
<b>HPLC Purity</b>	Reverse-phase HPLCC18 column, UV 220nm	≥98.0%	[99.5212%]	✓ PASS
<b>Mass Spectrometry</b>	ESI-MS / MALDI-TOF±0.5 Da tolerance	MW confirmed Identity verified	[Observed mass matches theoretical mass] Identity confirmed	✓ PASS
<b>Peptide Content</b>	AAA — Amino Acid Analysis	≥95.0% (dry weight)	[98.6124%]	✓ PASS
<b>Water Content</b>	Karl Fischer Titration	≤10.0%	[0.5924%]	✓ PASS
<b>Residual TFA</b>	Ion Chromatography	≤0.5%	[<0.2210%]	✓ PASS

## ENDOTOXIN TESTING — LAL METHOD

Test	Method	Specification	Result	Status
<b>Endotoxin Level</b>	LAL Kinetic Turbidimetric(BET — Bacterial Endotoxin Test)	<0.50 EU/mgUSP <85> / Ph.Eur. 2.6.14	[<0.2104 EU/mg]	✓ PASS
<b>Sterility Test</b>	0.22µm sterile filtration+ Membrane filter test	No microbial growth	Negative	✓ PASS
<b>Bioburden</b>	USP <61> / Ph.Eur. 2.6.12	<10 CFU/g	[<10 CFU/g]	✓ PASS

## HPLC CHROMATOGRAM

**Column:**

C18, 250×4.6mm, 5µm particle size

**Mobile Phase A:**0.1% TFA in H<sub>2</sub>O**Mobile Phase B:**

0.1% TFA in Acetonitrile

**Gradient:**

5→65% B over 30 min

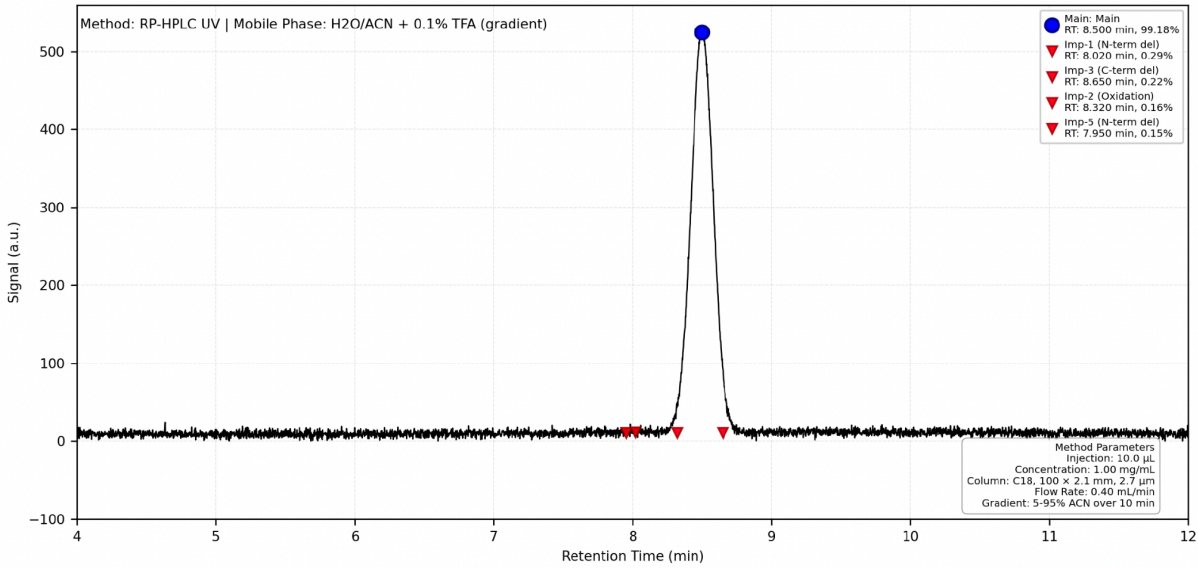
**Flow rate:**

1.0 mL/min

**Detection:**

UV 220nm · Injection: 10µL · Column temp: 40°C

HPLC CHROMATOGRAM — DSIP | 2026-04-13



Main Peak: [ $>98\%$ ]  
 Peak Area %: [ $>98\%$ ] | Symmetry Factor: [ $\leq 1.5$ ]

PHYSICAL & CHEMICAL PROPERTIES

Property	Specification	Result	Status
Appearance	White to off-white lyophilised powder	White powder	✓ PASS
Solubility	Soluble in aqueous buffer (PBS pH 7.4 or acetate pH 4.5)	Fully soluble	✓ PASS
pH (1mg/mL)	PBS: 6.8–7.6 / Acetate buffer: 4.0–5.0	[7.5]	✓ PASS
Molecular Weight	Per theoretical MW $\pm 0.5$ Da	[848.8 g/mol]	✓ PASS
Osmolality	270–315 mOsm/kg (isotonic range)	Conforms to expected	✓ PASS



STABILITY DATA — StabPen™ SSS Format

Condition	Duration	Purity Retained	Status
2–8°C (refrigerated)	12 months	$\geq 97\%$ integrity confirmed by HPLC	✓ VALID
Room temp 20–25°C	30 days	$\geq 95\%$ integrity	✓ VALID
-20°C (frozen)-20°C	Not recommended	Solvent phase separation may occur	⚠ N/A
Light Exposure	Avoid direct light	Store in original packaging at all times	⚠ NOTE

OVERALL RESULT

✓ CONFORMS TO SPECIFICATION

AUTHORIZATION

Quality Control Analyst	Quality Director	Document Date	Document No.
 Schmid, Daniel	 Keller, Peter	[13.04.2026]	SWK-CoA-240415-20260 4

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