

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	DSIP
Lot No.:	VI420250707-5
Sequence:	Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu
Modifications:	N/A

Quality Control

Test Items	Specifications	Results
Appearance	White to off-white lyophilized powder	Conforms
Molecular Weight (MS)	848.82±1.0 Da	848.35 Da
Purity by HPLC	>98%	98.7%
Assay	80.0%~120.0%	92.5%
Solubility	5 mg/1ml H2O	Clearly soluble
TFA Content	≤0.500%	Conforms
Acetic acid Content	≤10.0%	0.3%

Storage Conditions:	-20°C
Quality Control:	Mike P.
Date of Analysis:	July 2025

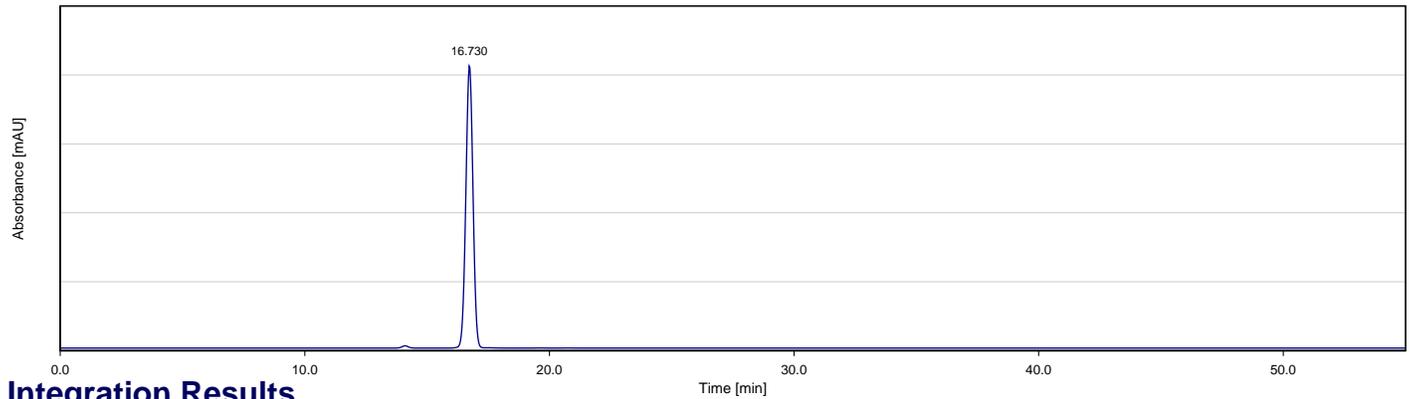
Sample Information

Lot. No	VI420250707-5
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.8ml/min
Wavelength	220nm
Analytical column type	Phenomenex Luna 5um C18 (2) (4.6*150mm*5um)
Dissolution method	100%H2O
Inj. Volume	4ul

Gradient Program

Time	Module	Action	Value
0.01	Pumps	B.Conc	6
25.00	Pumps	B.Conc	16
30.00	Pumps	B.Conc	90
40.00	Pumps	B.Conc	90
41.00	Pumps	B.Conc	6
55.00	Controller	Stop	

Chromatogram

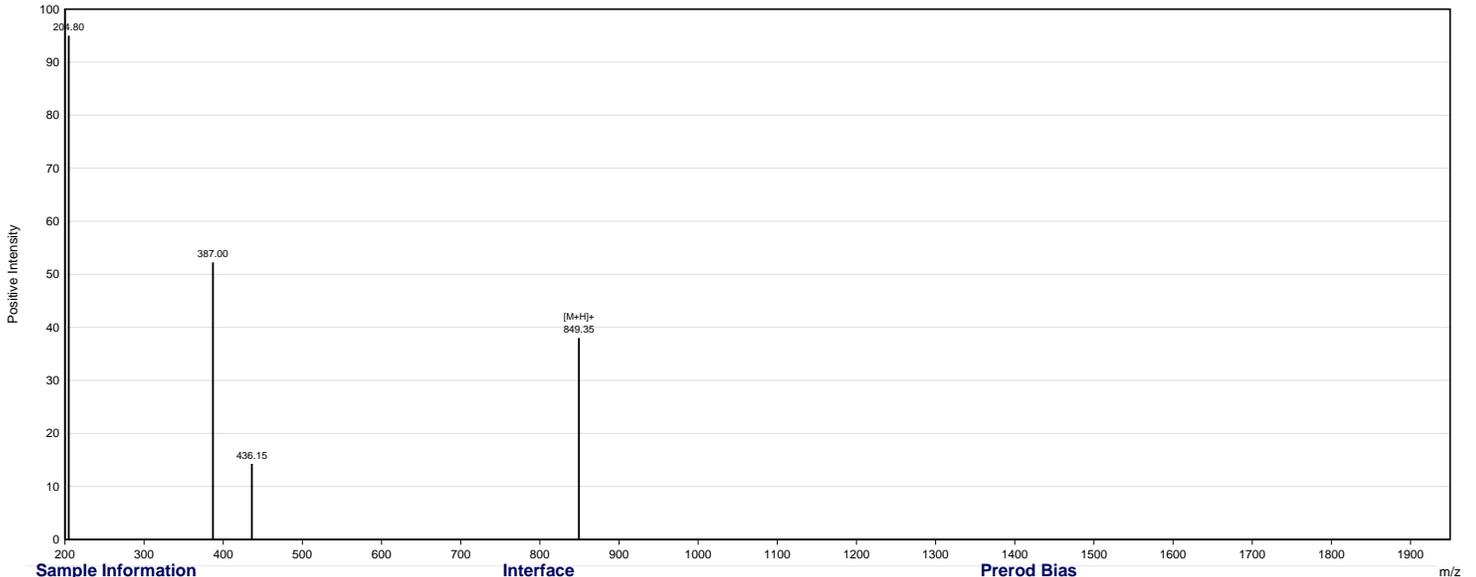


Integration Results

No.	Ret. Time	Area	Height	Relative Area %	Amount
1	14.099	76647	8821	0.752	n.a.
2	16.258	6165	1254	0.060	n.a.
3	16.334	12755	1561	0.125	n.a.
4	16.730	10064133	1104194	98.696	n.a.
5	17.032	15170	2159	0.149	n.a.
6	17.342	8666	666	0.085	n.a.
7	17.600	7665	871	0.075	n.a.
8	17.926	1062	158	0.010	n.a.
9	19.600	2819	350	0.028	n.a.
10	20.759	2029	261	0.020	n.a.
Total		10197082	1120518	100.000	n.a.

Conclusion: Main peak at RT 16.730 min, purity 98.70% by area

MS Spectrum



Sample Information

Dissolution method :3%**HAC**+25%**ACN**+72%**H2O**
Injection Volume :1ul

Interface

Interface :ESI
Nebulizing Gas Flow :1.50L/min
CDL Temp :250C
CDL Volt :0v
Block Temp :200

Prerod Bias

Prerod Bias :+4.5kv
Detector :-0.2kv
T.Flow :0.2ml/min
B. conc :30%**H2O**/70%**MeOH**

Lot No.	VI420250707-5
Theoretical	848.82
Observed	848.35