
CERTIFICATE OF ANALYSIS

Product Name	BPC 157 (arginate salt)
Lot No.	BGIM6220210317
Sequence	Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val
Length	15AA
Modification	N/A
Storage	Storage long term: below -20

Test Items	Specifications	Results
Appearance	White to off-white powder	Conforms
Molecular Weight	1419.55±1.0	1419.45
Purity by HPLC	≥98.0%	99.3%
Related Substances	Total Impurities(%)≤2.0% Largest Single Impurity(%)≤1.0%	0.7% 0.4%
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
Peptide Content	≥80.0%	90.8%
Acetic acid content	≤5.0%	0.1%
Water Content	≤10.0%	1.3%
Residual solvent	Acetonitrile≤0.041% Trifluoroacetic≤0.500%	Conforms
Bacterial endotoxins	<10EU/mg	Conforms
Arg Concent	5.9%~15.9%	13.26%

Certified by:

Crystal

Date of Mfg: 22 Mar 2021

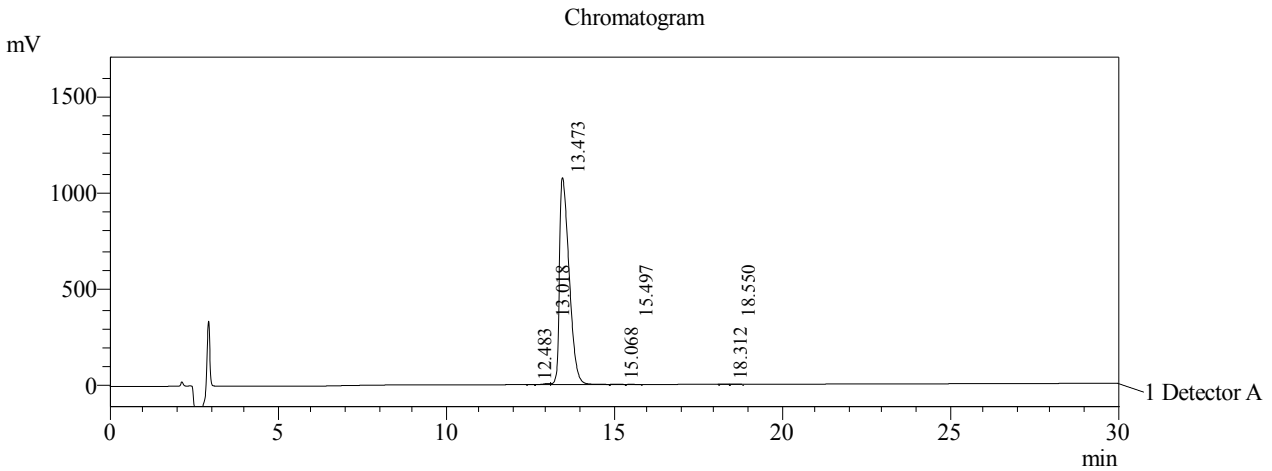
Date of Exp: 21 Mar 2023

Quality Assurance Department

Sample Information

Order ID :BPT114601001-1
 Lot. No :BGIM6220210317
 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 3u C18(2) (4.6*150mm*3um)
 Dissolution method :100%H2O
 Acquisition Time :2021/3/17 22:28:06
 Inj. Volume :30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	12
25.00	Pumps	B.Conc	37
30.00	Pumps	B.Conc	90
31.00	Controller	Stop	



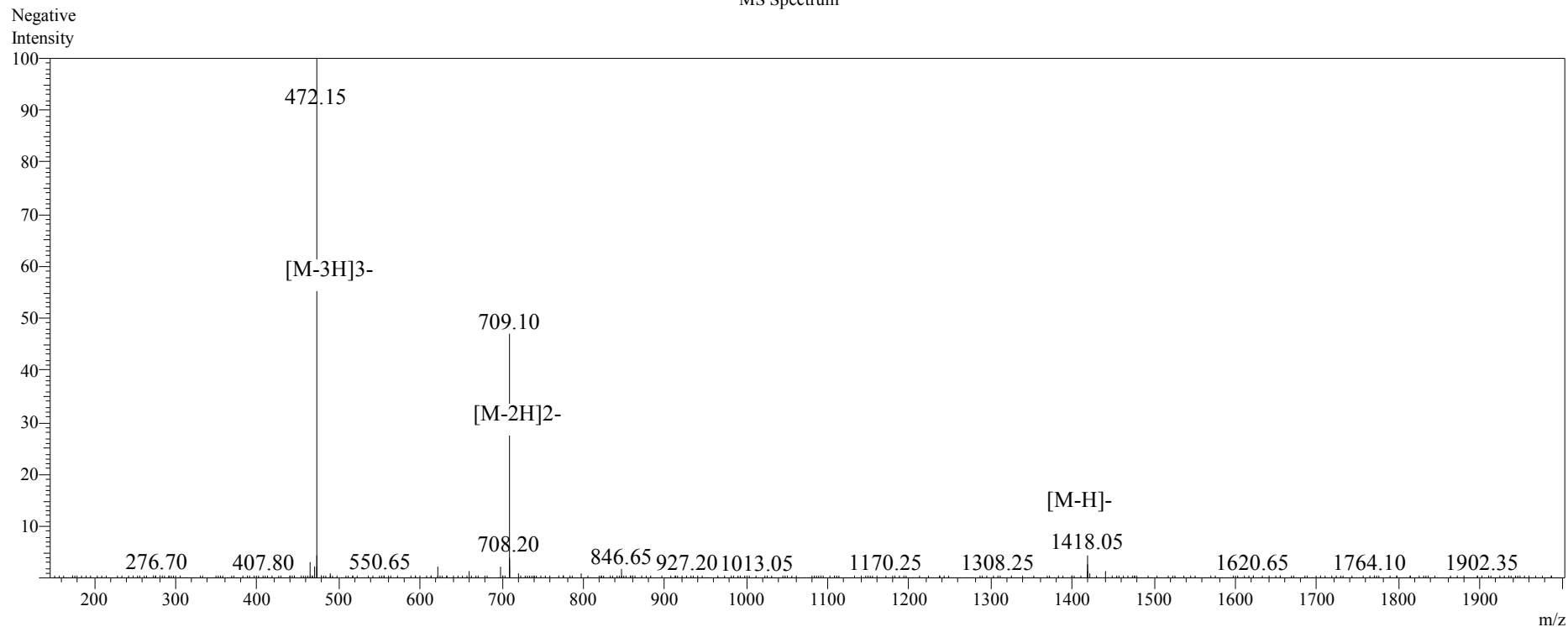
1 Detector A / 220nm

PeakTable

Detector A 220nm

Peak#	Ret. Time	Area	Height	Area %
1	12.483	1811	138	0.008
2	13.018	82169	5650	0.381
3	13.473	21421977	1070384	99.324
4	15.068	33348	2074	0.155
5	15.497	9507	669	0.044
6	18.312	10786	931	0.050
7	18.550	8183	684	0.038
Total		21567781	1080530	100.000

MS Spectrum



Sample Information

Dissolution method :3%NH3.H2O+25%ACN+72%H2O
 Date Acquired : 2021/3/17 15:10:25
 Injection Volume : 1ul

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

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

Order ID :BPT114601001-1
 Lot No. :BGIM6220210317
 Theoretical :1419.55
 Observed :1419.45