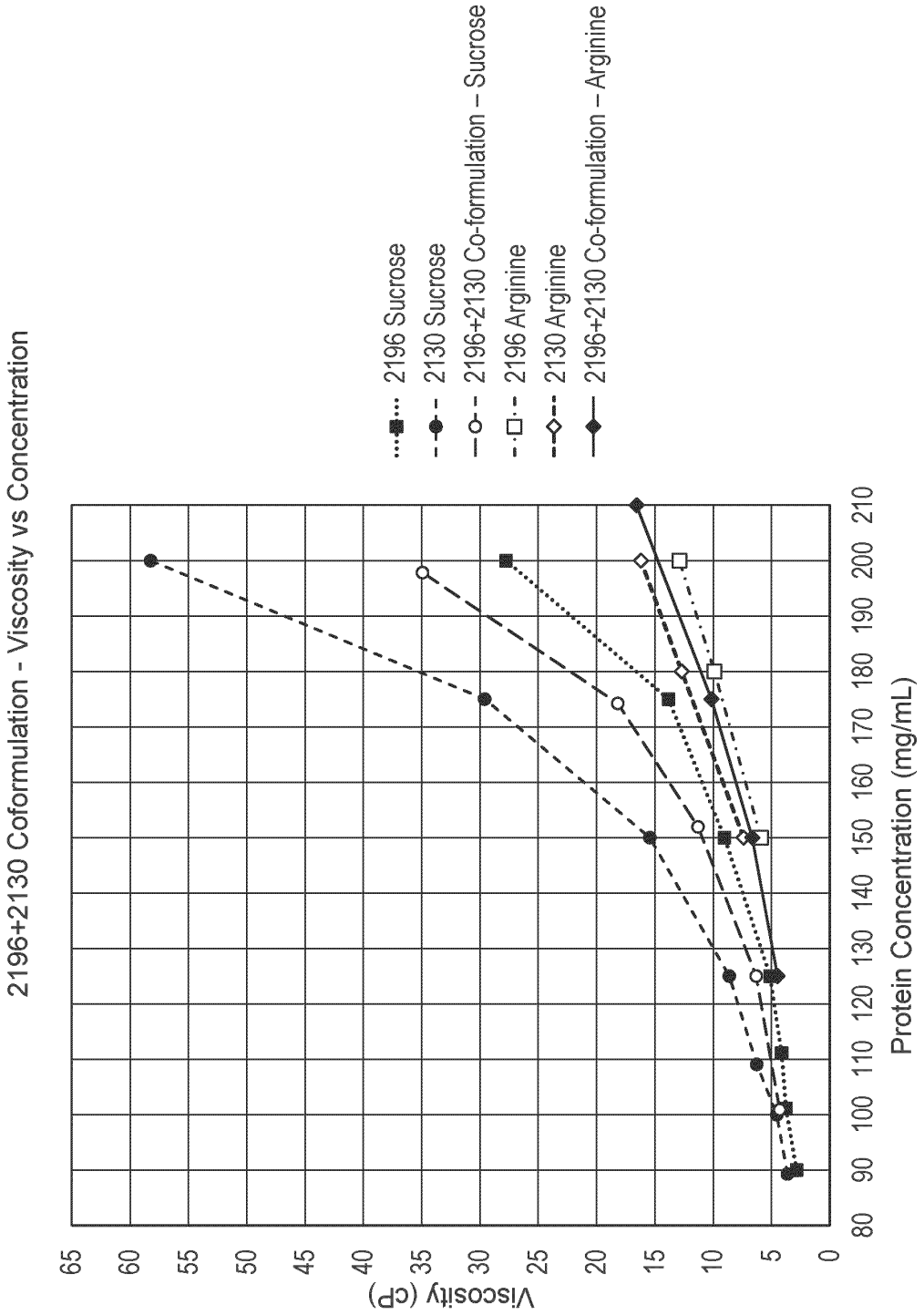

2196+2130 Coformulation - Viscosity vs Concentration
2196 Sucrose
2130 Sucrose
2196+2130 Co-formulation – Sucrose
2196 Arginine
2130 Arginine
2196+2130 Co-formulation – Arginine
Viscosity (cP)
Protein Concentration (mg/mL)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
80
90
100
110
120
130
140
150
160
170
180
190
200
210

FIG. 1

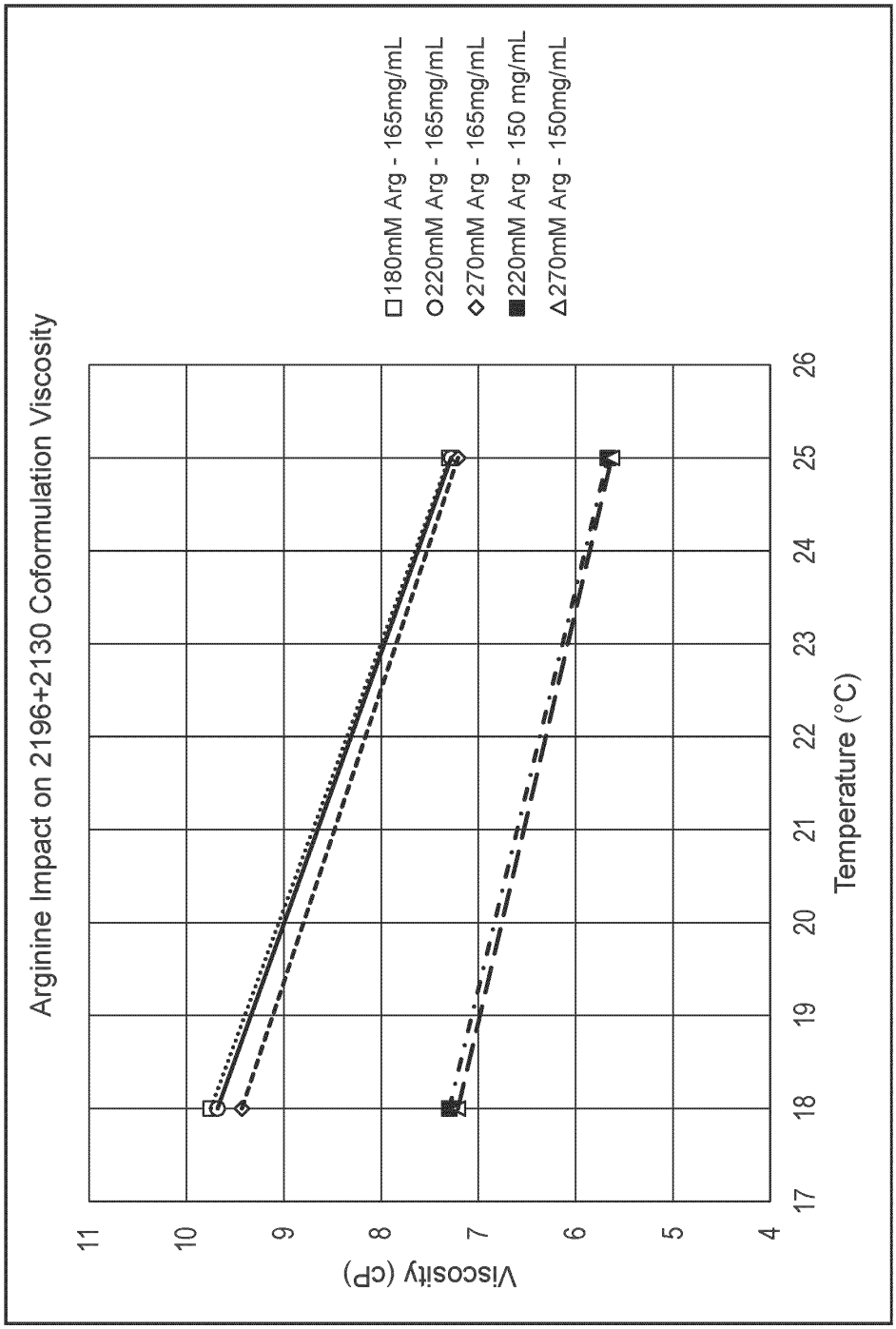

Arginine Impact on 2196+2130 Coformulation Viscosity
180mM Arg - 165mg/mL
220mM Arg - 165mg/mL
270mM Arg - 165mg/mL
220mM Arg - 150 mg/mL
270mM Arg - 150mg/mL
Viscosity (cP)
Temperature (°C)
11
10
9
8
7
6
5
4
17
18
19
20
21
22
23
24
25
26

FIG. 2

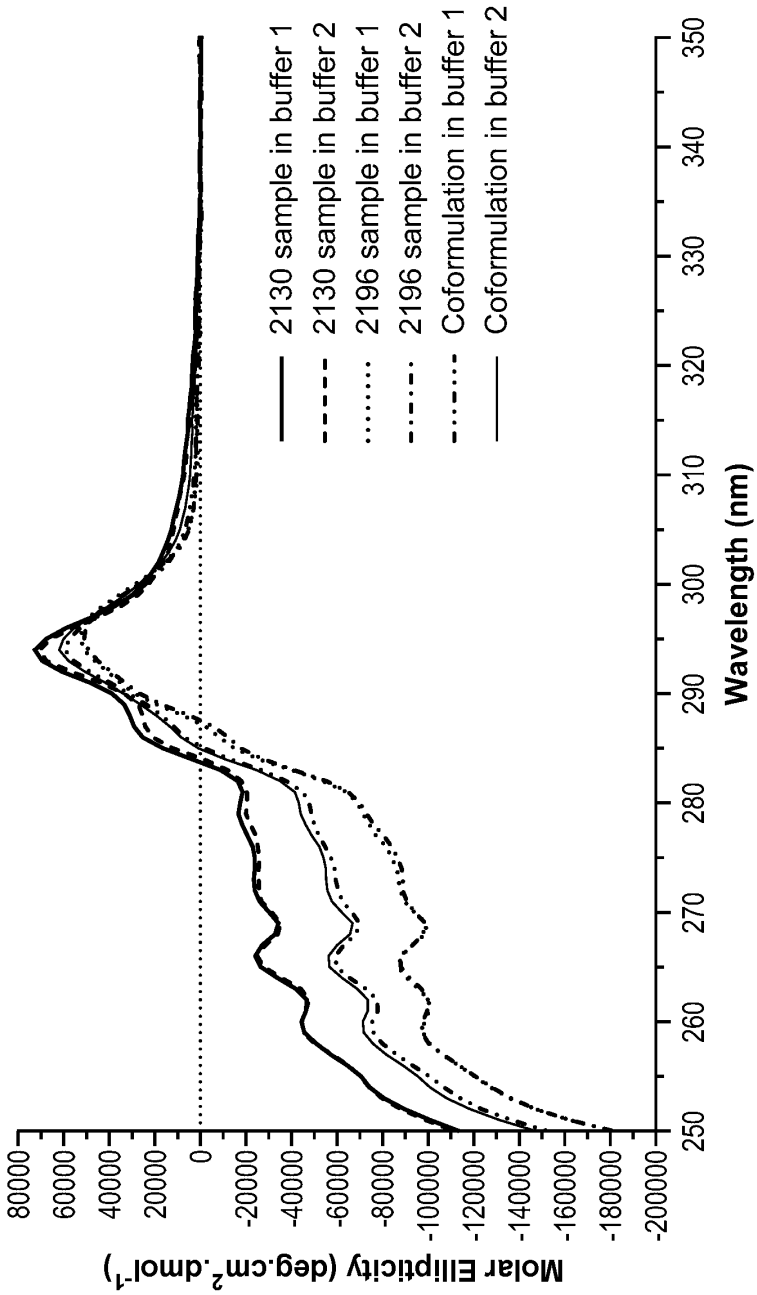
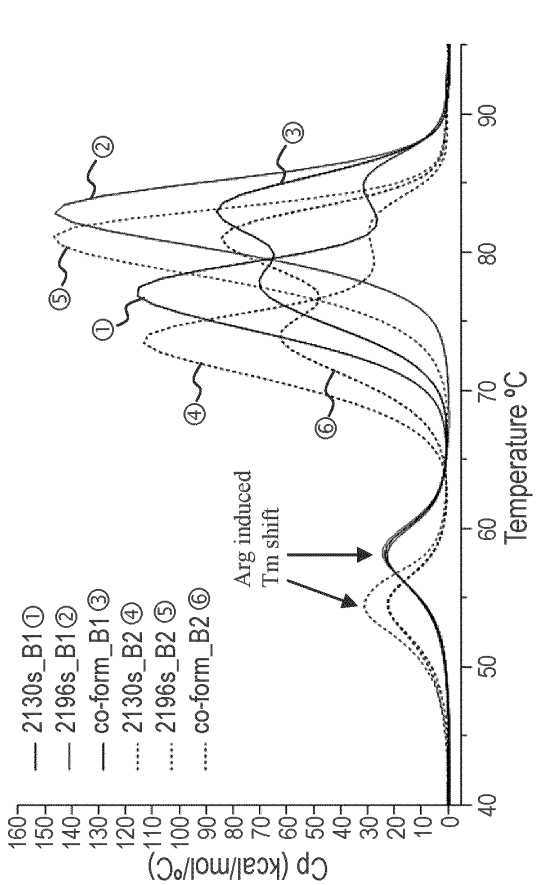

2130 sample in buffer 1
2130 sample in buffer 2
2196 sample in buffer 1
2196 sample in buffer 2
Coformulation in buffer 1
Coformulation in buffer 2
Molar Ellipticity (deg.cm^2.dmol^{-1})
Wavelength (nm)
80000
60000
40000
20000
0
-20000
-40000
-60000
-80000
-100000
-120000
-140000
-160000
-180000
-200000
250
260
270
280
290
300
310
320
330
340
350

FIG. 3

Formulation	2130 - Tm Onset (°C)	2196 - Tm Onset (°C)
Arginine pH 5.5	45.7	45.2
Arginine pH 6	49.2	48.6
Arginine pH 6.5	50.5	50.4
Arginine pH 7	51.1	50.9
Sucrose pH 5.5		
Sucrose pH 6	52.4	52.4
Sucrose pH 6.5		
Sucrose pH 7		



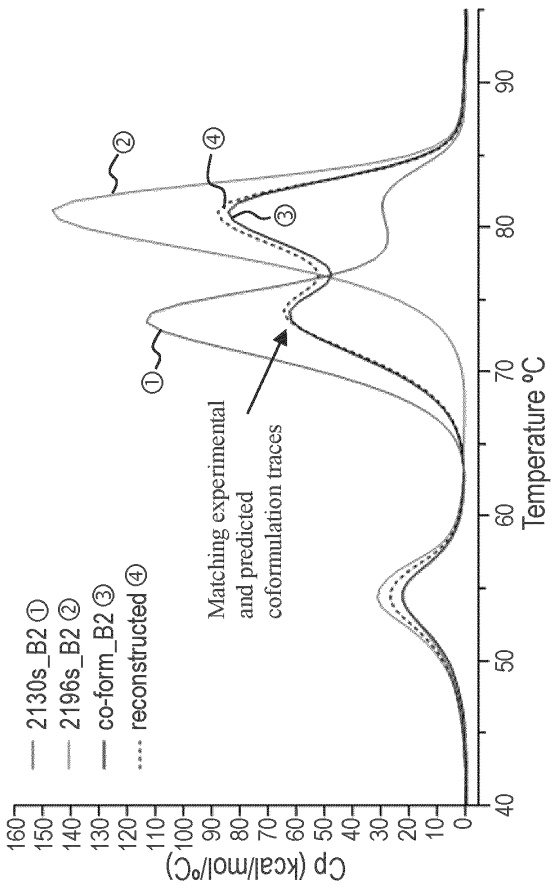


FIG. 4