Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting Information

The dual-role of Pt(IV) complexes as active drug and crosslinker for micelles based on β-cyclodextrin grafted polymer

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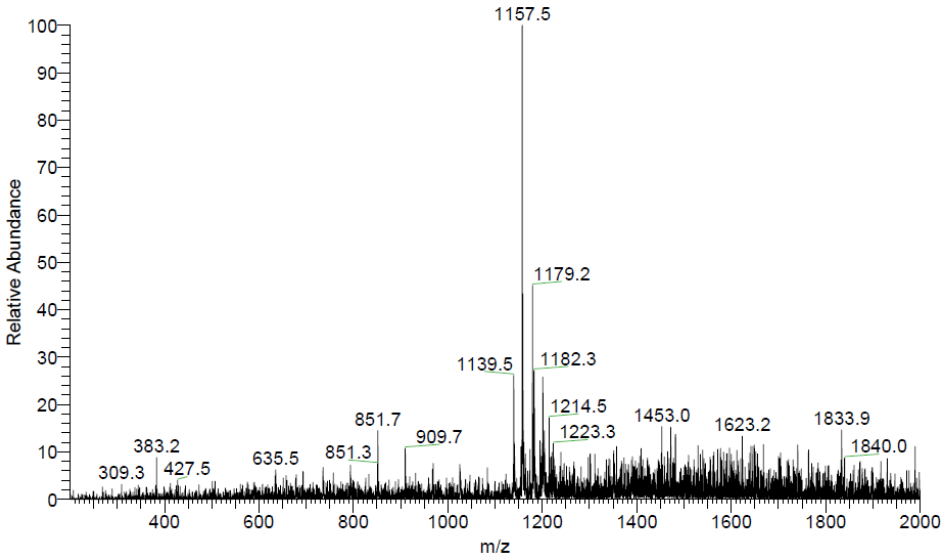


Figure S1. ESI-MS of N_3-β-CD; Calcd *m/z* for $C_{42}H_{69}N_3O_{34}$, 1159.38; experimental *m/z*, 1157.5

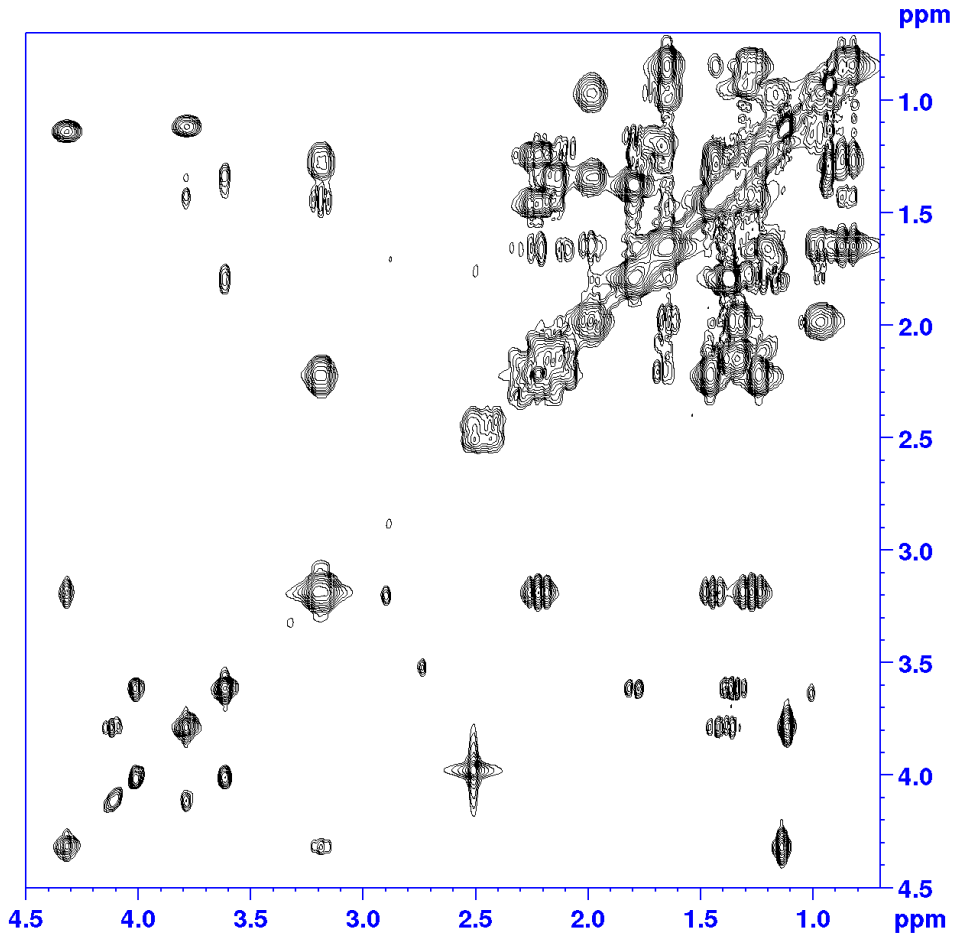


Figure S2 COSY, 500 MHz, CA-Pt in d_6-DMSO

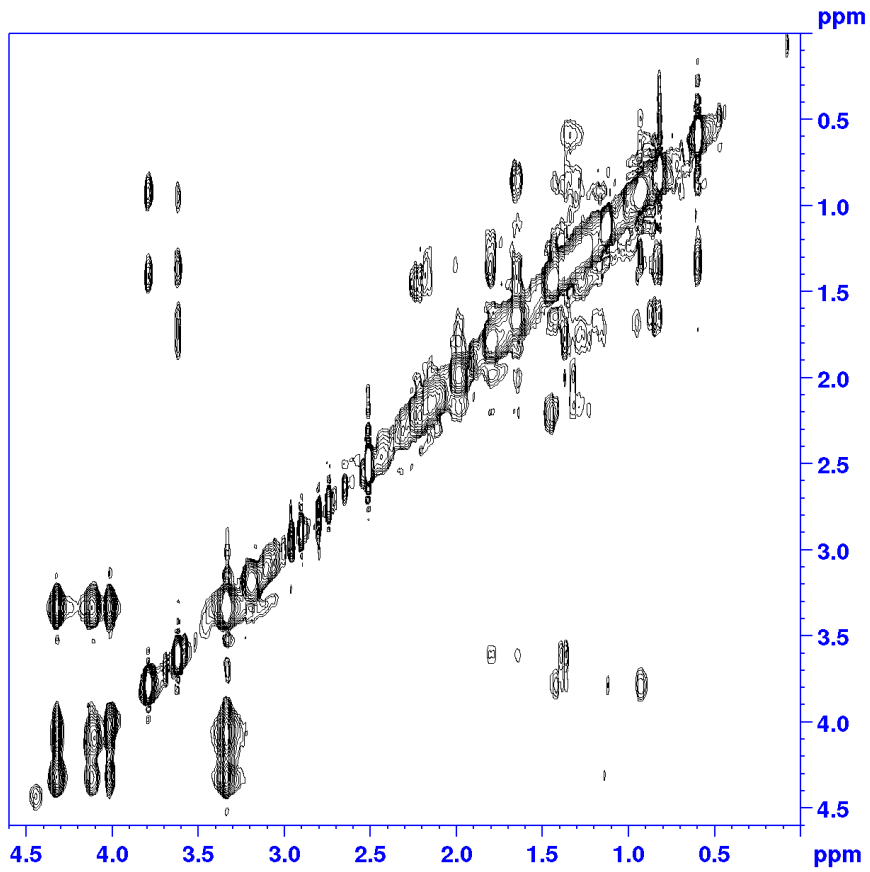


Figure S3 NOESY, 500 MHz, CA-Pt in d_6-DMSO

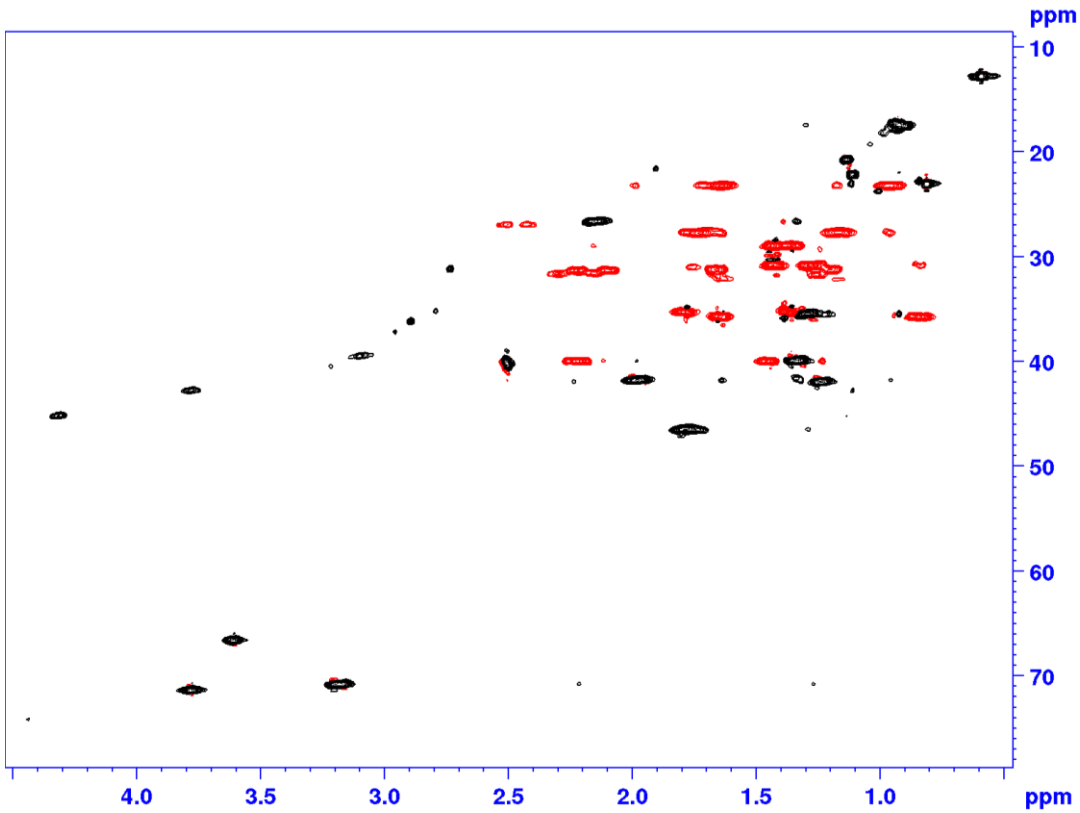


Figure S4 [^{1}H, ^{13}C] HSQC, 500 MHz, CA-Pt in d_6-DMSO

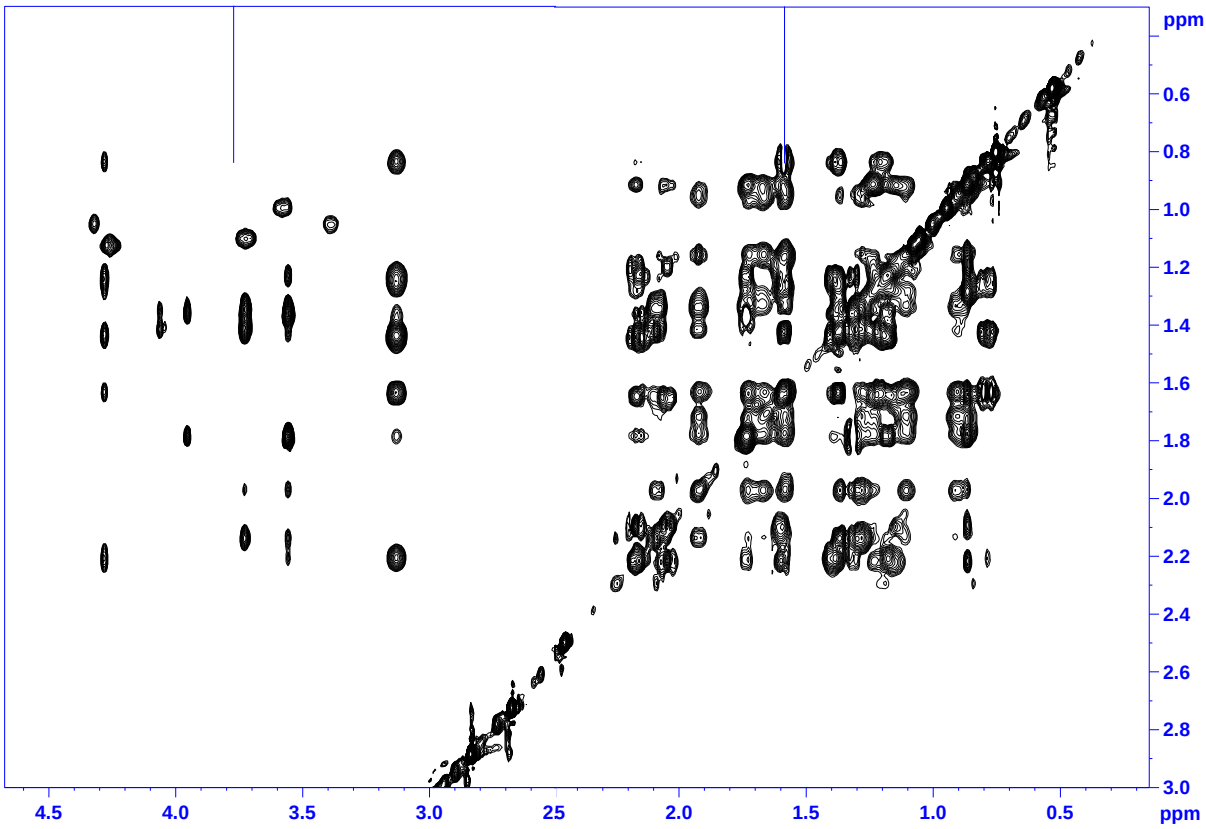


Figure S5 TOCSY, 600 MHz, CA-Pt in d_6-DMSO

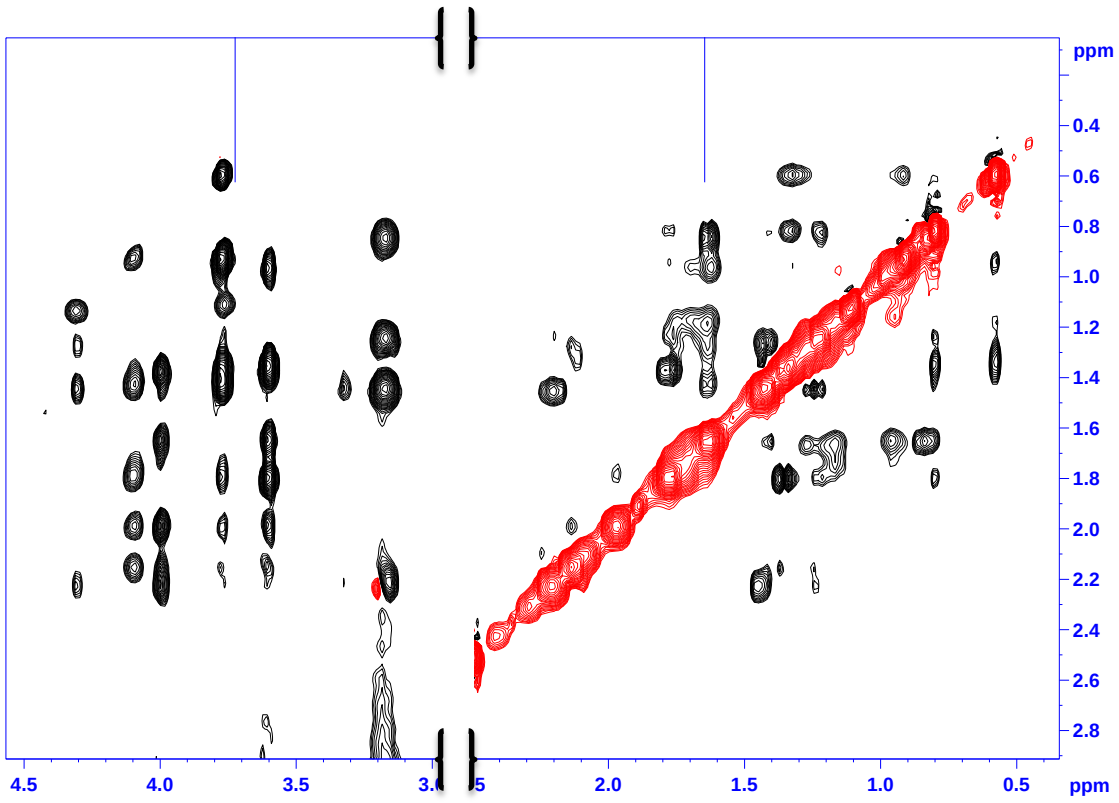
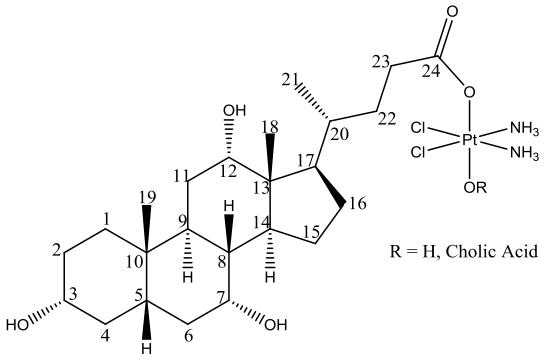


Figure S6 ROESY, 500 MHz, CA-Pt in d_6-DMSO

Table S7 CA-Pt peaks assignment.



	H (ppm)	Multiplicity	C (ppm)
1	1.45	m	39.98
1'	2.21	m	
2	1.26	m	30.84
2'	1.41	m	
3	3.17	td	70.85
4	0.83	s	35.74
4'	1.63	s	
5	1.22	s	41.9
6	1.36	d	35.29
6'	1.78	d	
7	3.6	s	66.66
8	1.32	td	39.9
9	2.13	d	26.6
11	1.35	td	28.97
11'	1.41	td	
12	3.77	m	71.41
14	1.97	m	41.79
15	0.96	s	23.23
15'	1.63	s	
16	1.15	t	27.71
16'	1.71	m	
17	1.77	d	46.5
18	0.58	s	12.75
19	0.8	s	23.05
20	1.28	m	35.5
21	0.91	d	17.34
22	1.19	m	31.22
22'	1.64	d	
23	2.09	m	31.26
23'	2.21	m	

Table S8. Chemical shifts (Δδ) of β-CD/CA-Pt compare to CA-Pt.

	β-CD/CA-Pt	**Δδ**	**β-CD/CA-Pt**	**Δδ**
	H (ppm)	H (ppm)	C (ppm)	C (ppm)
1	-	-	-	-
1'				
2	1.35	0.09	29.34	-1.5
2'	1.67	0.26		
3	3.51	0.34	71.59	0.74
4	1.02	0.19	34.48	-1.26
4'	1.84	0.21		
5	1.46	0.24	40.9	-1
6	-	-	-	-
7	3.97	0.37	68.23	1.57
8	1.76	0.44	38.7	-1.2
9	2.13	-	26.4	-0.2
11	-	-	-	-
12	4.09	0.32	73.3	1.89
14	1.92	-0.05	41.9	0.11
15	1.3	0.34	22.83	-0.4
15'	1.81	0.85		
16	-	-	-	-
17	1.83	0.06	47	0.5
18	0.83	0.25	12.86	0.11
19	0.96	0.16	21.86	-1.19
20	1.36	0.08	35.9	0.4
21	1.09	0.18	22.12	4.78
22	-	-	-	-
23	-	-	-	-

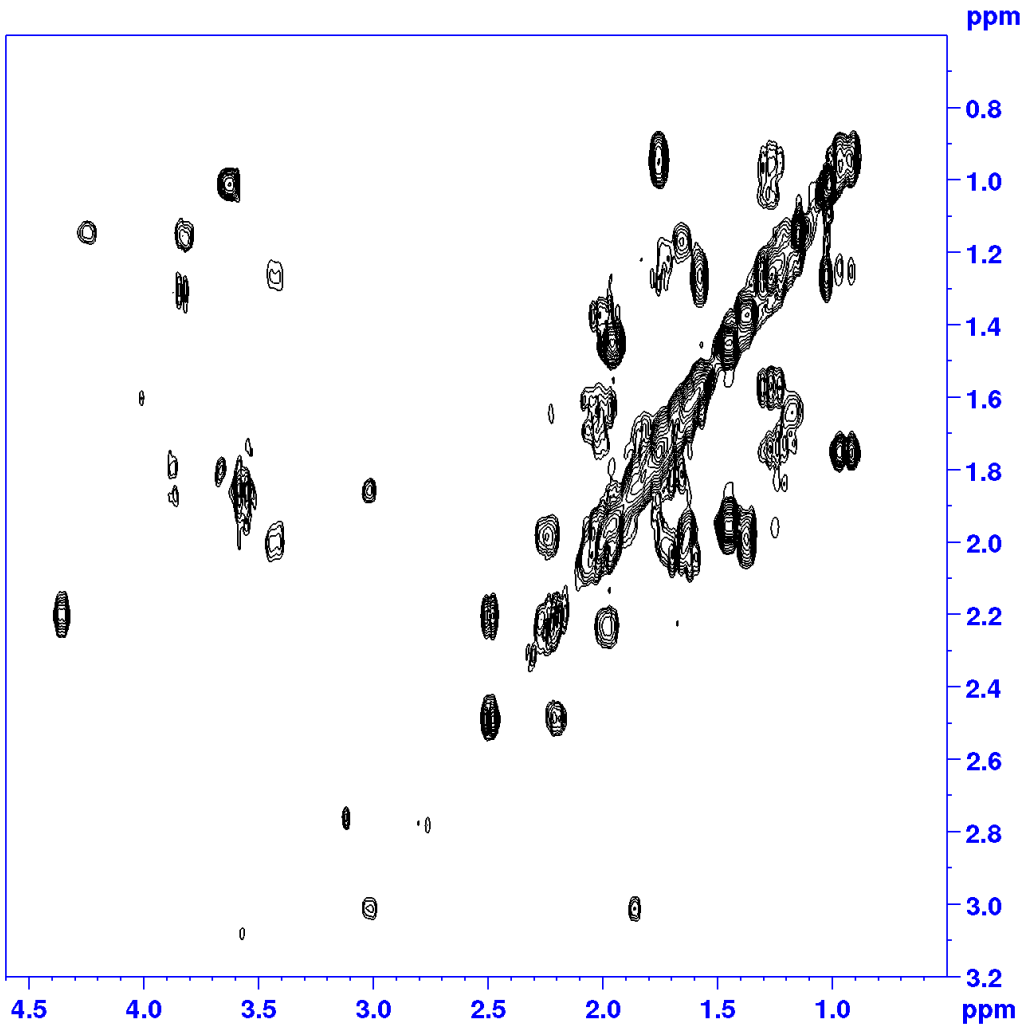


Figure S9 COSY, 500 MHz, β-CD/CA-Pt in D_2O

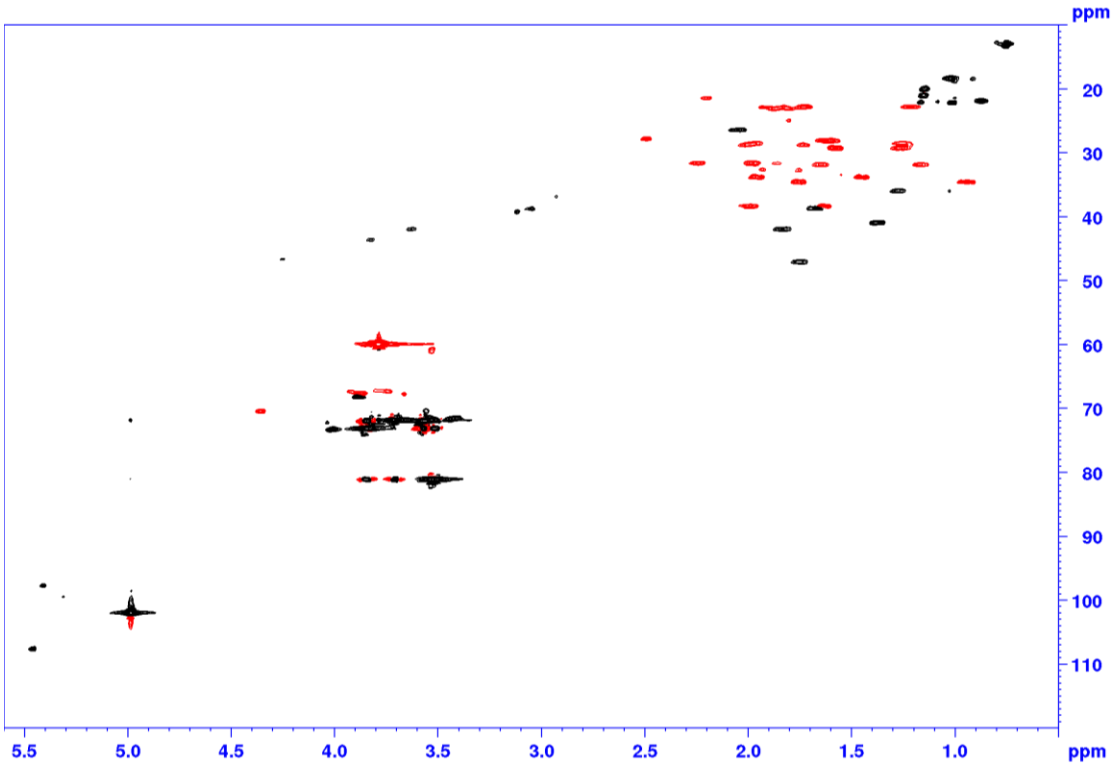


Figure S10 [^{1}H-^{13}C] HSQC, 500 MHz, β-CD/CA-Pt in D_2O

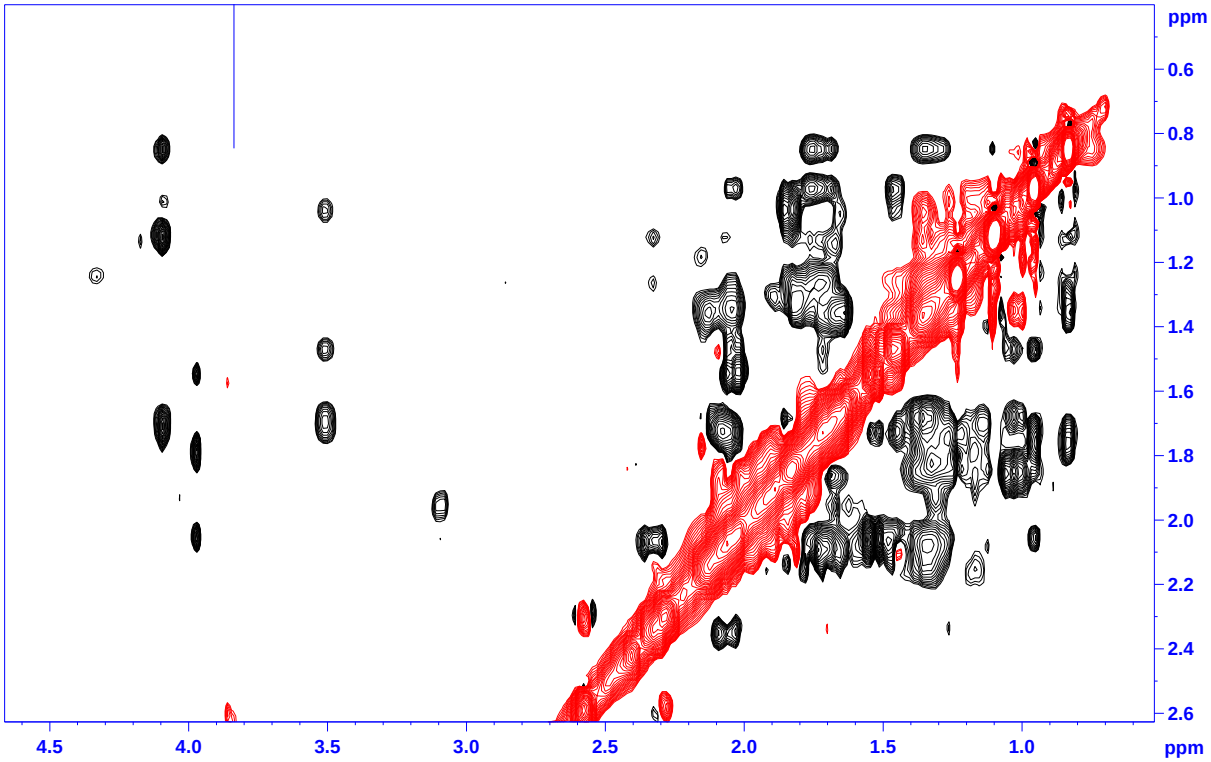


Figure S11 ROESY, 500 MHz, β-CD/CA-Pt in D_2O