Supporting Information

"Acetylenic cyclodextrins for multireceptor architectures:

cups with sticky ends for the formation of extension wires and junctions"

*Jonathan A Faiz, Neil Spencer and Zoe Pikramenou**

School of Chemistry, The University of Birmingham, Edgbaston, B15 2TT, UK.

z.pikramenou@bham.ac.uk

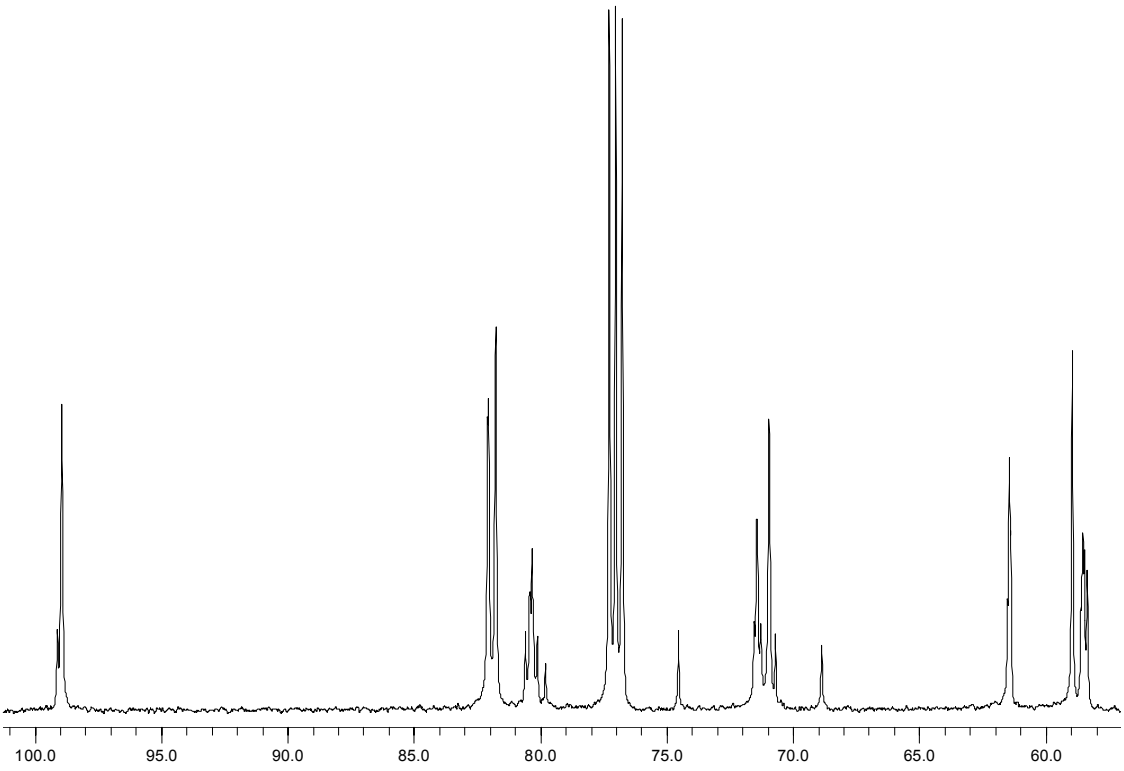
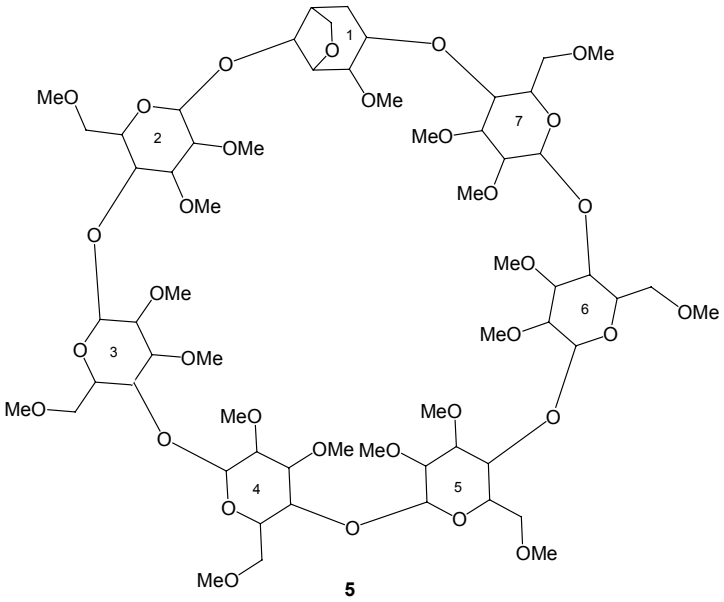


Figure SM1. 125 MHz ^{13}C NMR spectrum of **3** ($CDCl_3$).



5

Figure SM2. Structural representation of **5.**

Ring	H-1	H-2	H3	H-4	H-5	H-6	2-OMe	3-OMe	6-OMe
1	5.26	3.53	4.57	3.85	4.38	4.09, 3.85	3.51	-	-
2	4.89	3.21	3.50	3.75	4.14	3.95, 3.52	3.45	3.60	3.33
3	5.19	3.21	3.58	3.78	3.83	3.72, 3.42	3.47	3.54	3.27
4	5.53	3.14	3.57	3.63	3.57	3.91, 3.52	3.47	3.67	3.34
5	5.05	3.14	3.53	3.58	3.71	3.85, 3.53	3.49	3.63	3.33
6	4.98	3.12	3.42	3.53	3.67	3.93, 3.47	3.44	3.57	3.34
7	5.02	3.13	3.58	3.463	3.94	3.73, 3.53	3.44	3.56	3.39

Table SM1. ^{1}H shifts of **5** ($CDCl_3$).

Ring	C-1	C-2	C3	C-4	C-5	C-6	2-OMe	3-OMe	6-OMe
1	100.1	77.3	71.5	79.2	73.3	69.3	58.2	-	-
2	98.0	82.5	82.4	79.3	71.0	71.1	58.4	61.3	58.8
3	97.7	81.9	82.9	73.3	70.2	71.0	59.0 or 57.9	60.0	58.6
4	96.7	81.7	81.6	81.5	71.0	70.9	59.0 or 57.9	61.8	59.0 or 58.9
5	99.2	81.8	81.6	81.6	71.5	71.1	59.1	61.9	58.8
6	99.0	81.9	81.6	81.7	71.2	70.9	57.8 or 57.7	61.2	59.0 or 58.9
7	99.7	82.8	82.2	79.3	70.4	71.5	3.44	61.7	59.1

Table SM2. ^{13}C shifts of **5** ($CDCl_3$).

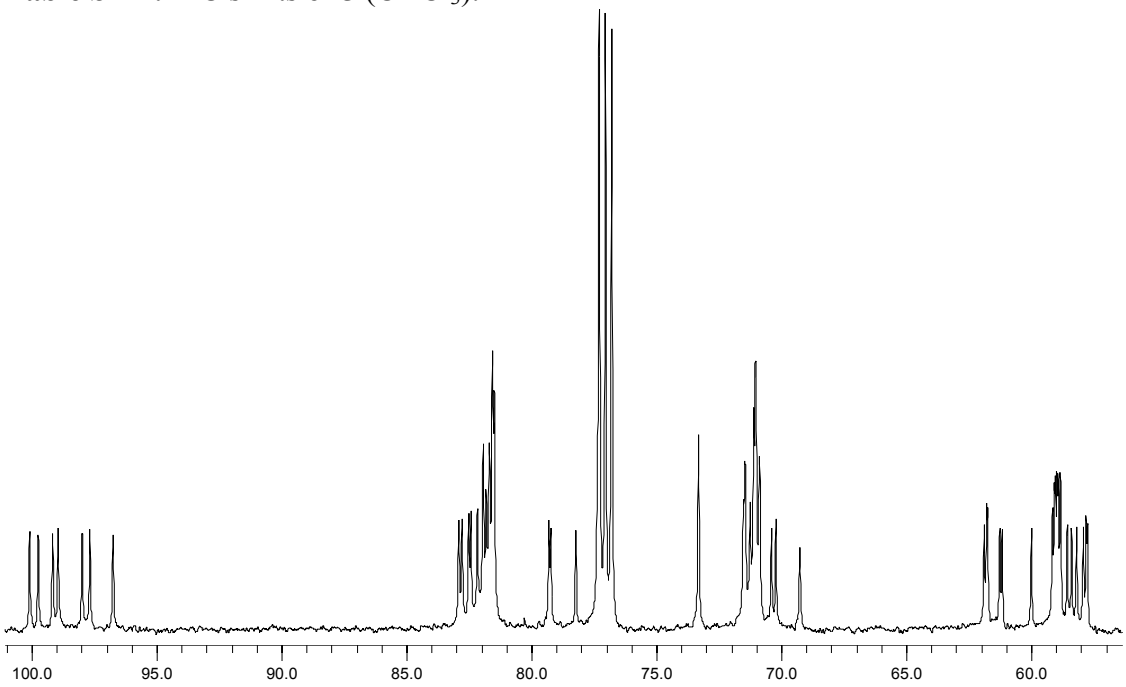


Figure SM3. 125 MHz ^{13}C NMR spectrum of **5** ($CDCl_3$).

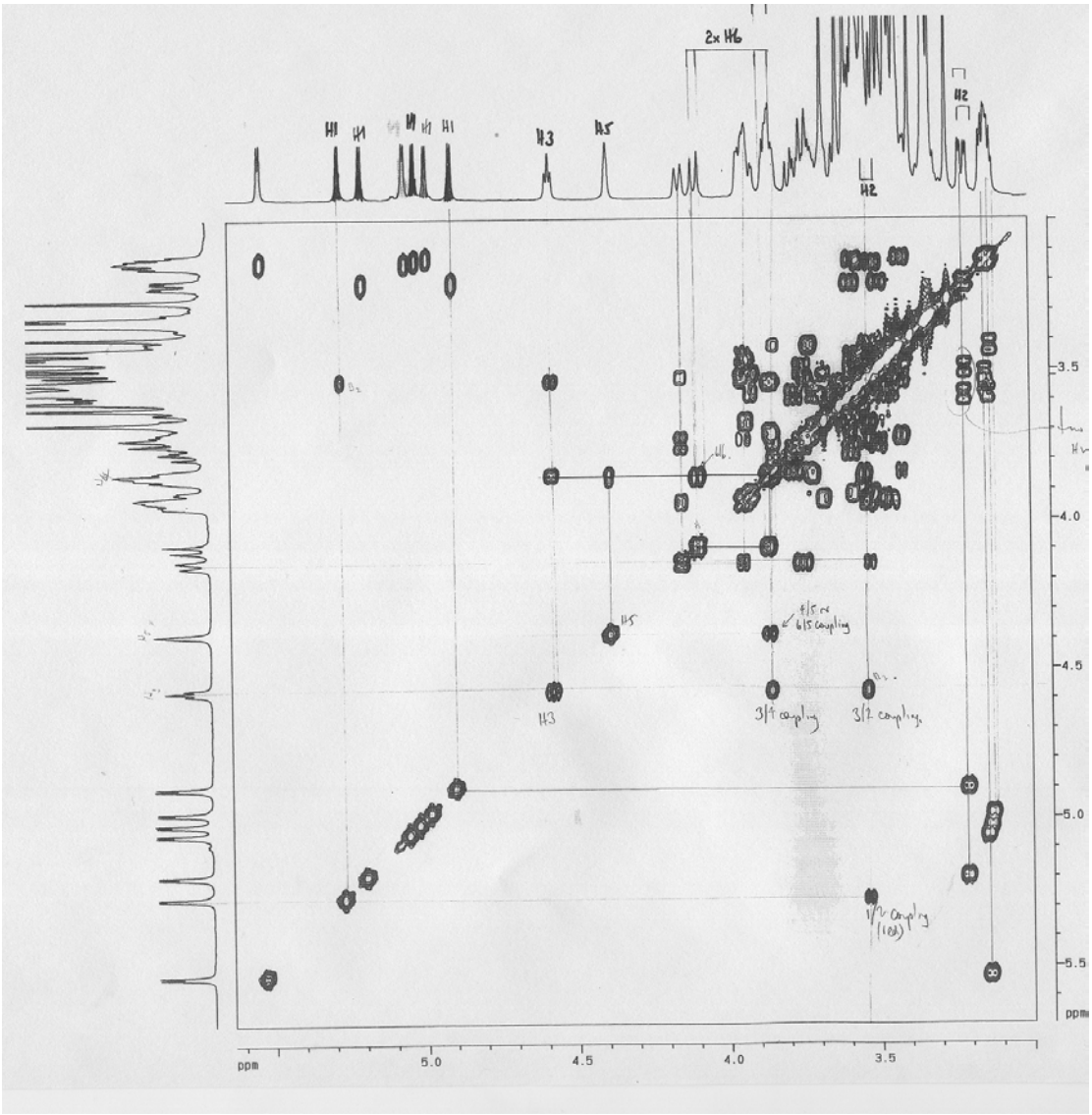


Figure SM4. COSY spectrum of **5** ($CDCl_3$).

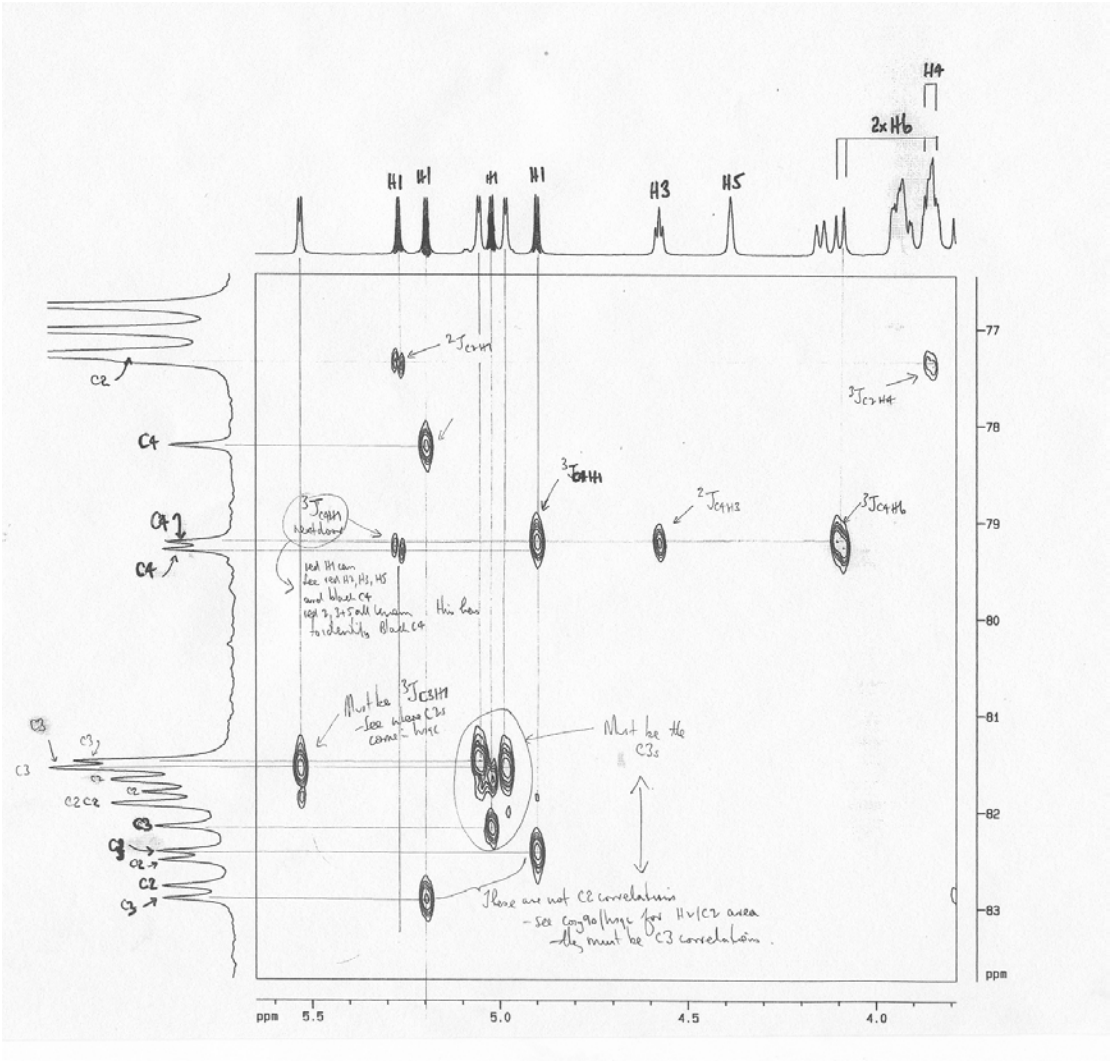


Figure SM5. HMBC spectrum of **5** ($CDCl_3$).

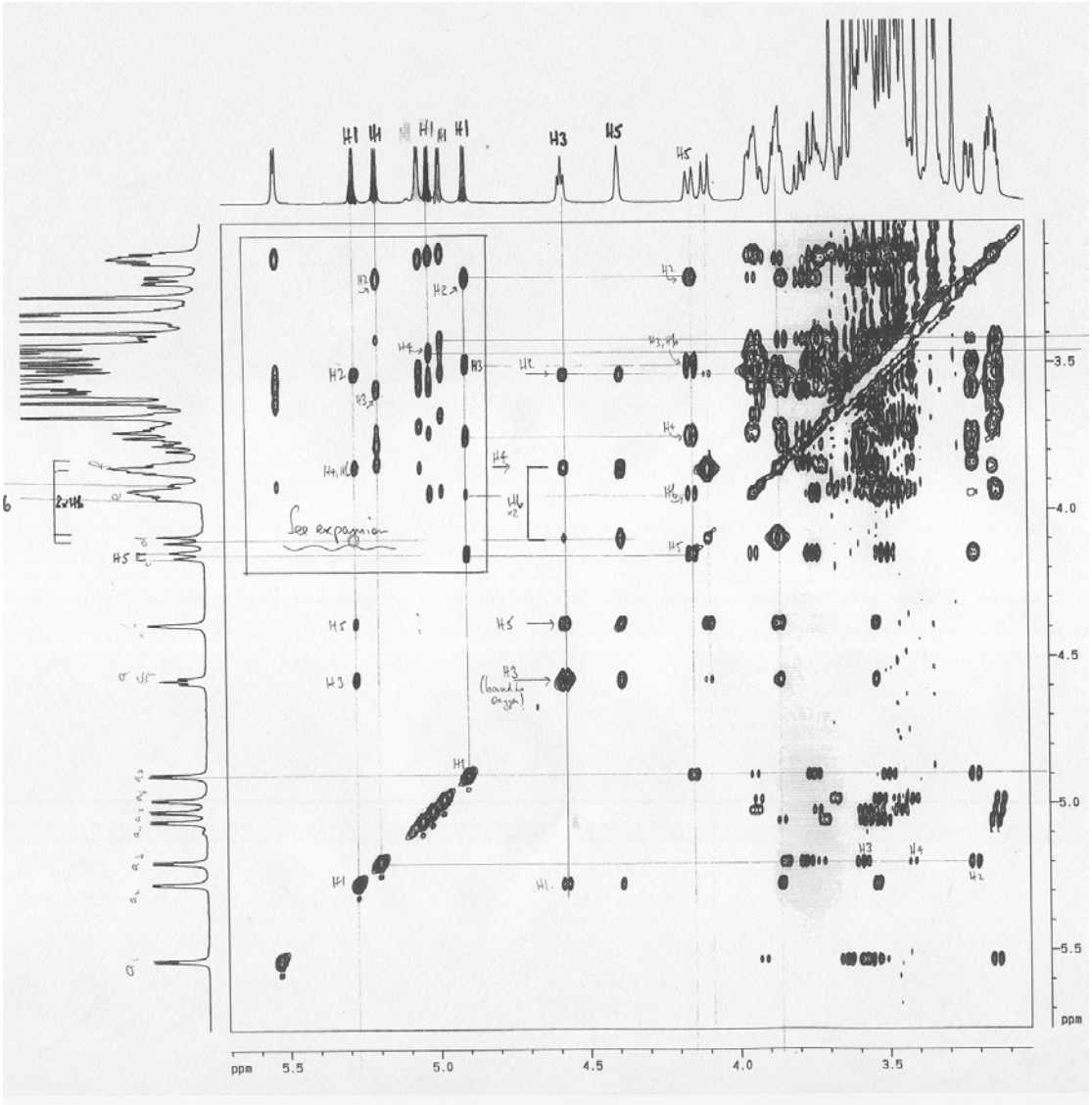


Figure SM6. HOHAHA spectrum of **5** ($CDCl_3$).

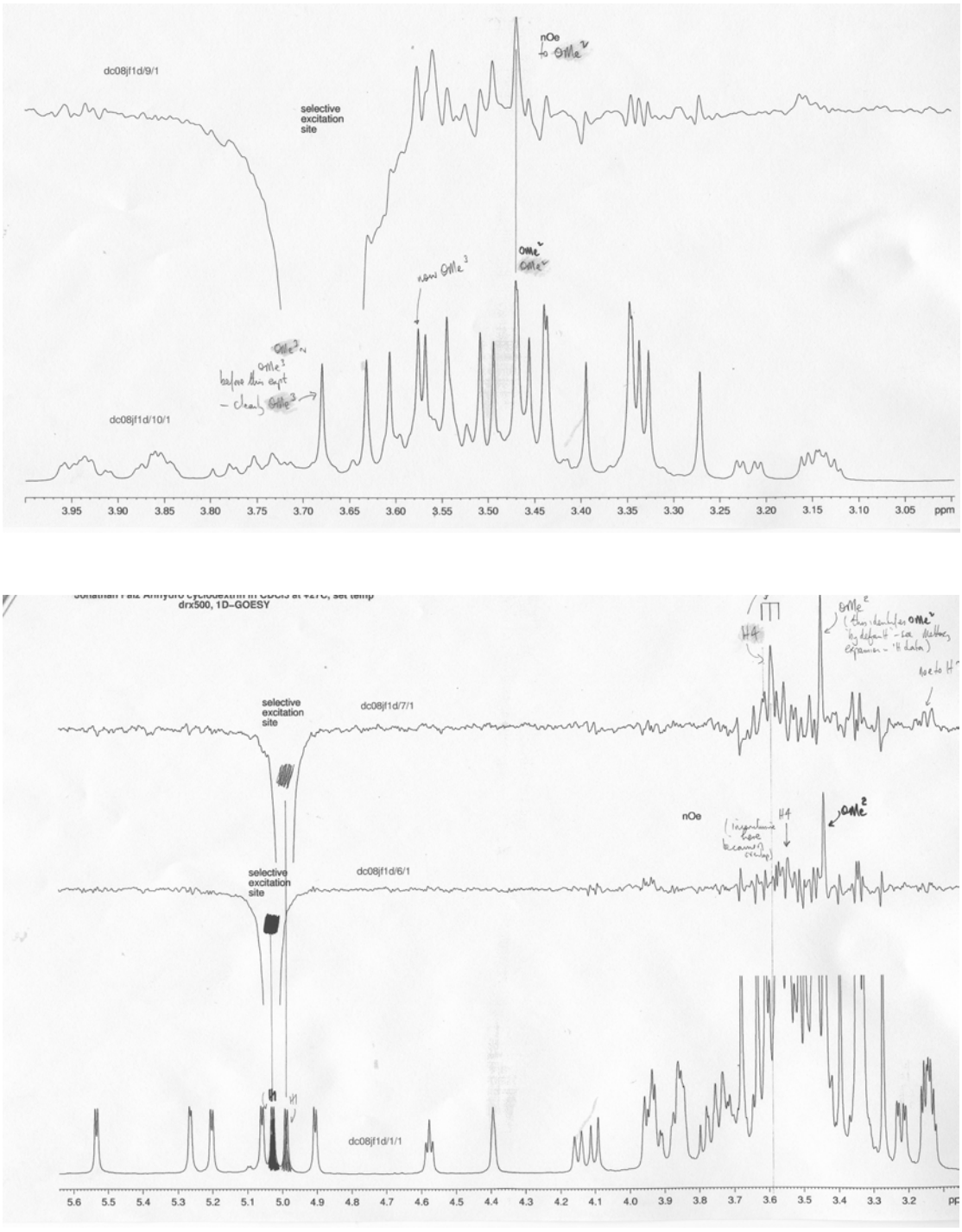


Figure SM7. NOE spectra of **5** ($CDCl_3$).

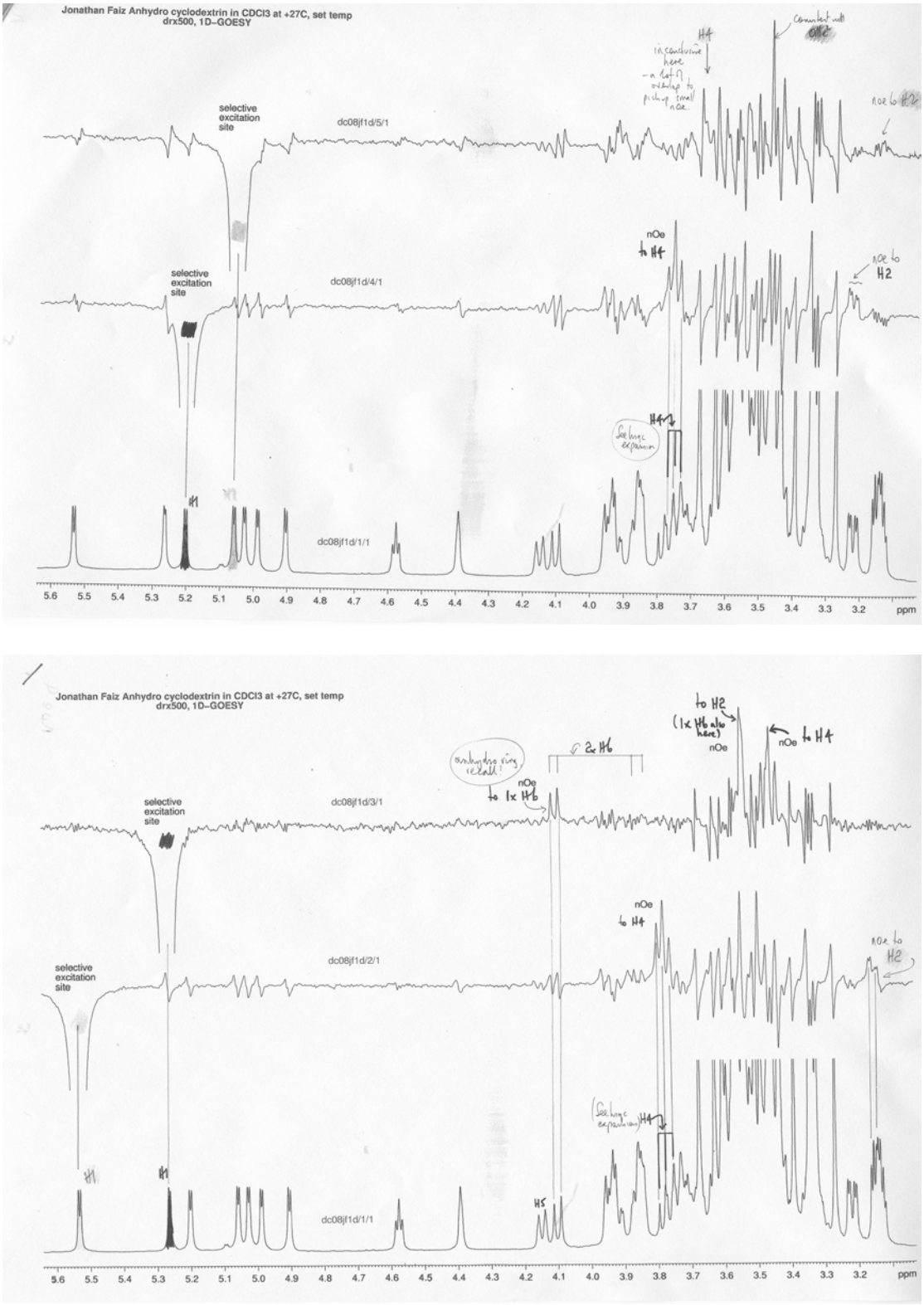


Figure SM8. NOE spectra of **5** ($CDCl_3$).

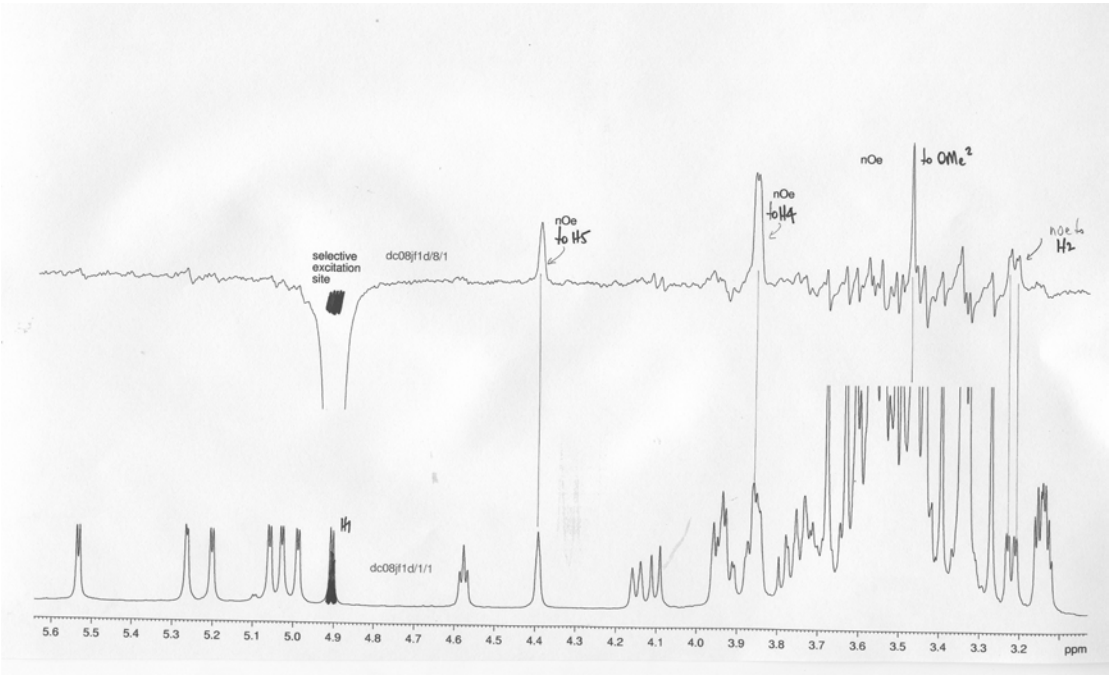


Figure SM9. NOE spectra of **5** ($CDCl_3$).