

Supplementary Materials

Comparative GC Analysis, Bronchodilator Effect and the Detailed Mechanism of Their Main Component; Cinnamaldehyde of Three Cinnamon Species

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Table S1. ^1H and ^{13}C -NMR data in ppm (multiplicity, J in parentheses in Hz) of **1**, **2** and **4** in CD_3OD .

	1		2*		4**	
	^1H	^{13}C	^1H	^{13}C	^1H	^{13}C
1	-	134.16	-	136.34	-	137.03
2	7.53 (m)	128.51	7.35 (d, $J=7.5$)	126.38	7.38 (d, $J=7.5$)	126.15
3	7.36 (m)	128.90	7.28 (t, $J=7.3$)	128.41	7.29 (t, $J=7.3$)	128.31
4	7.36 (m)	131.12	7.36 (t, $J=7.3$)	127.80	7.20 (t, $J=7.3$)	127.23
5	7.36 (m)	128.51	7.28 (t, $J=7.3$)	128.41	7.29 (t, $J=7.3$)	128.31
6	7.53 (m)	128.90	7.35 (d, $J=7.5$)	126.38	7.38 (d, $J=7.5$)	126.15
7	7.49 (d, $J=16$)	153.40	6.60 (d, $J=16$)	133.75	6.61 (d, $J=16$)	130.28
8	6.67 (dd, $J=7.8, 16$)	128.15	6.25 (dt, $J=6.4, 16$)	123.11	6.35 (dt, $J=6.4, 16$)	128.66
9	9.59 (d, $J=7.8$)	194.49	4.66 (d, $J=6.3$)	64.81	4.23 (d, $J=6.3$)	62.39

* COCH_3 : δ_{H} 2.03, COCH_3 : δ_{C} 19.76, 171.13 ppm.

** OH: δ_{H} 4.90 ppm.

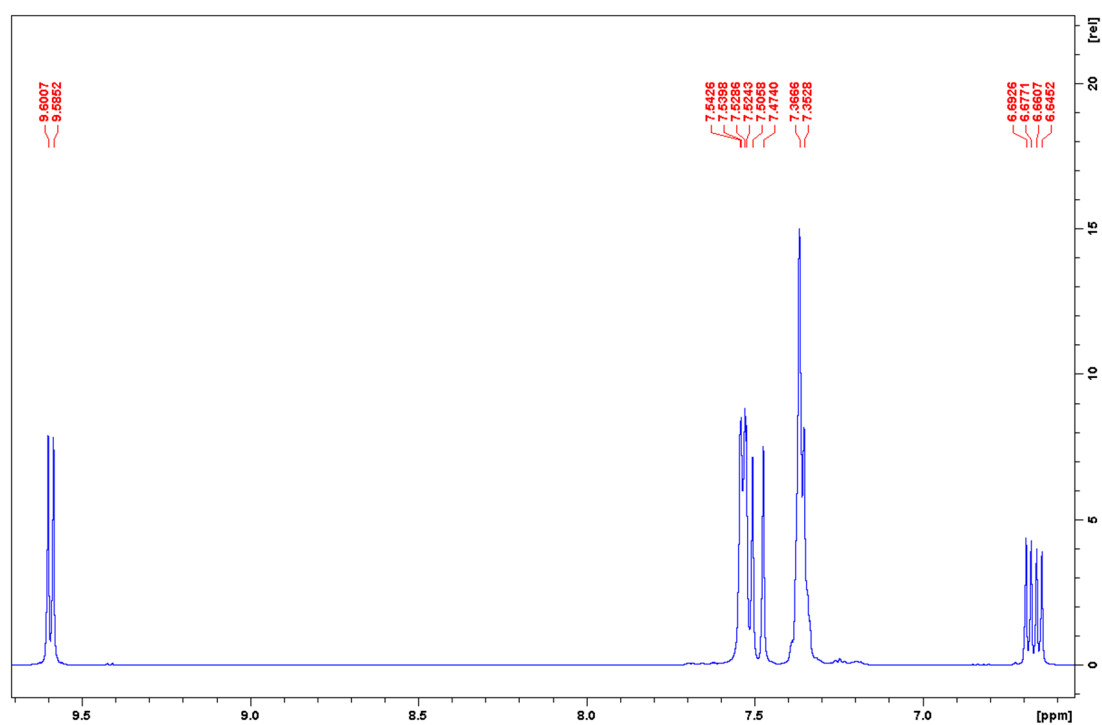


Figure S1. ^1H NMR spectrum of 1.

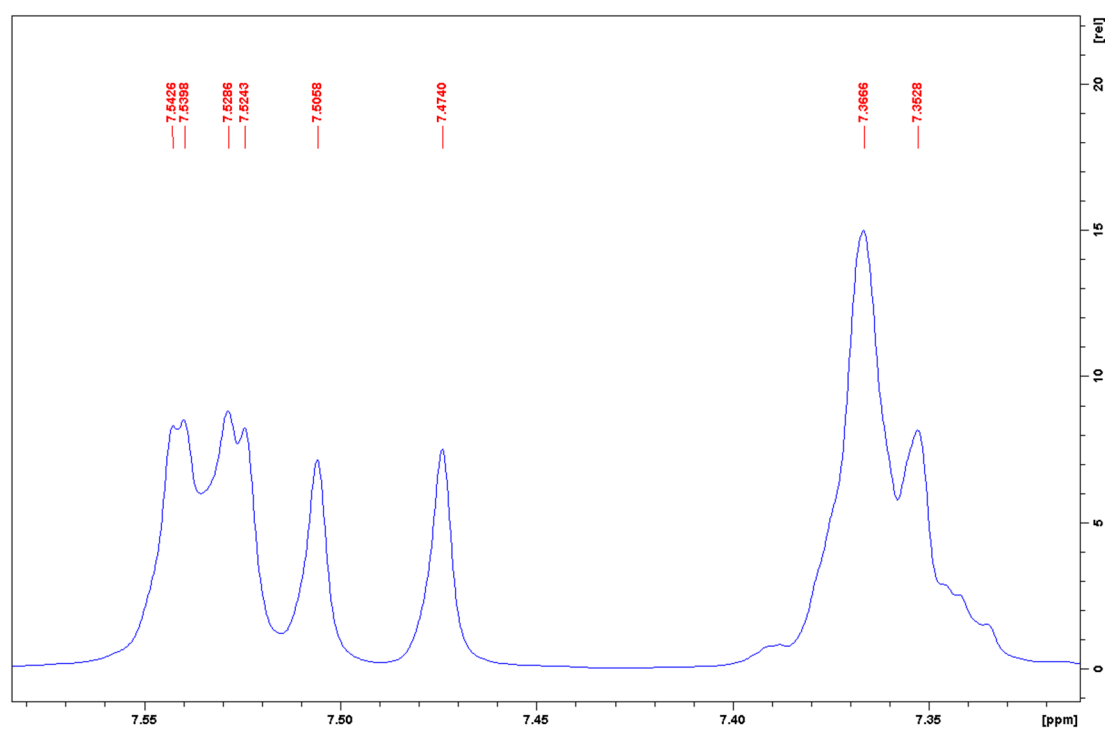


Figure S2. ^1H NMR spectrum of 1 (Exp.).

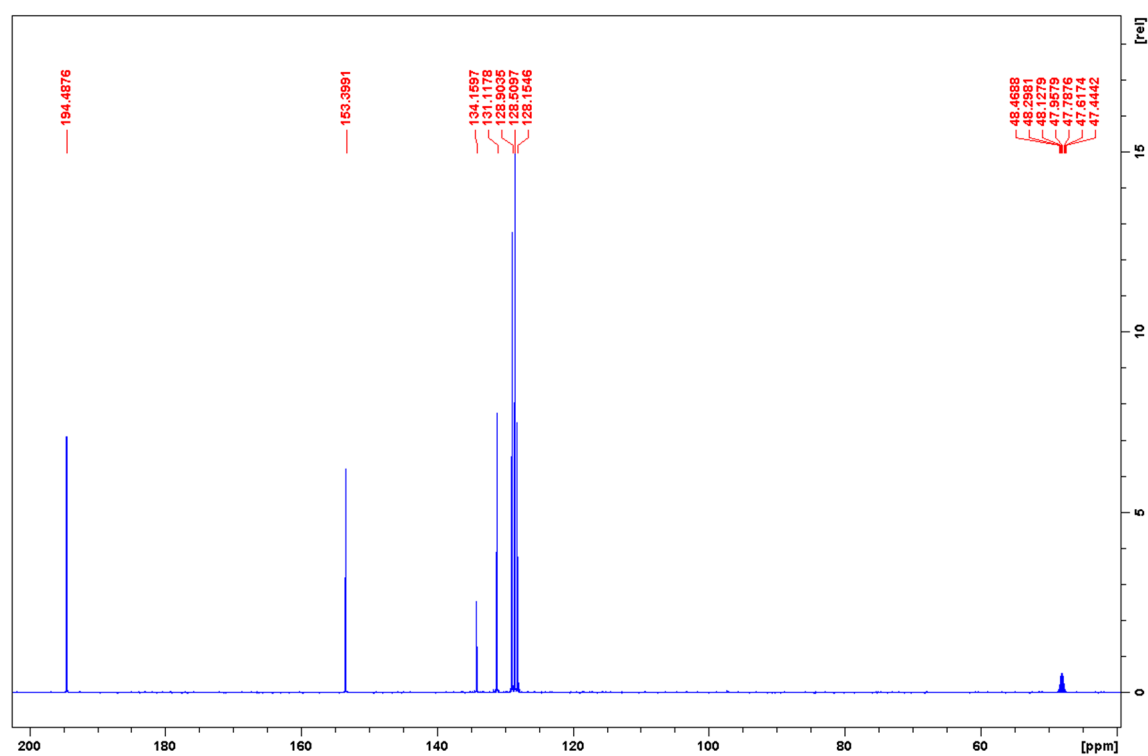


Figure S3. ^{13}C NMR spectrum of 1.

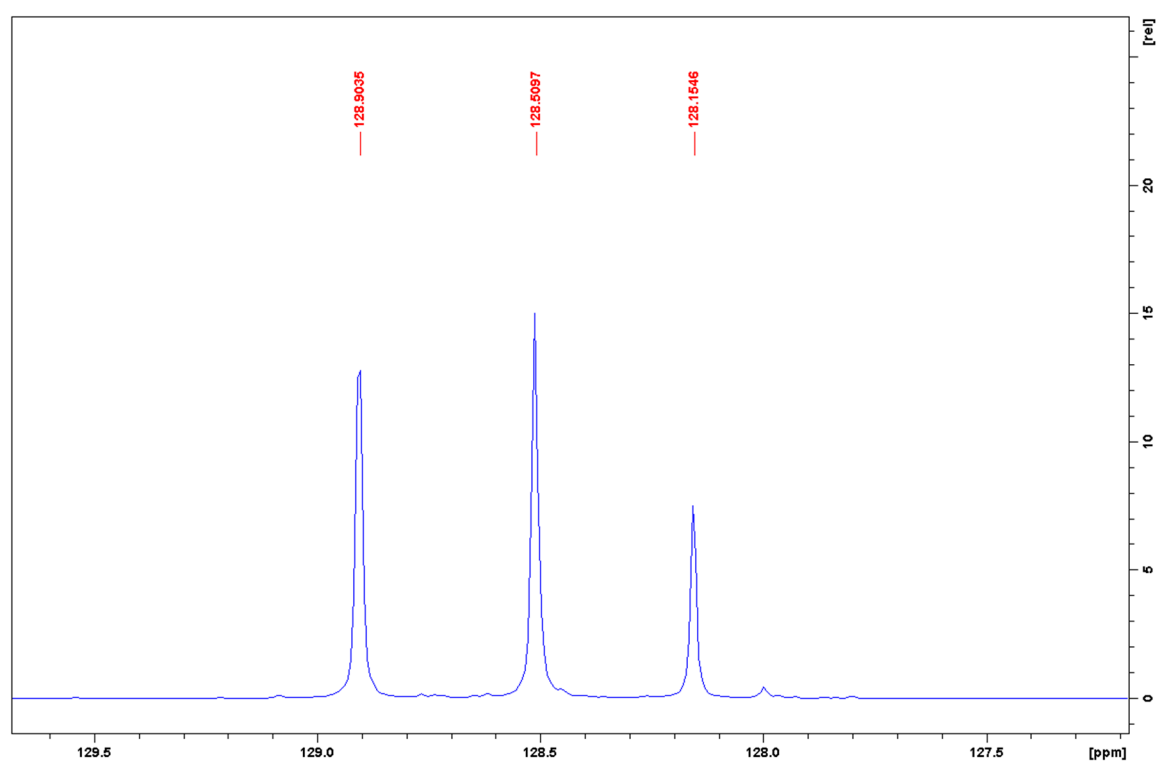


Figure S4. ^{13}C NMR spectrum of 1 (Exp.).

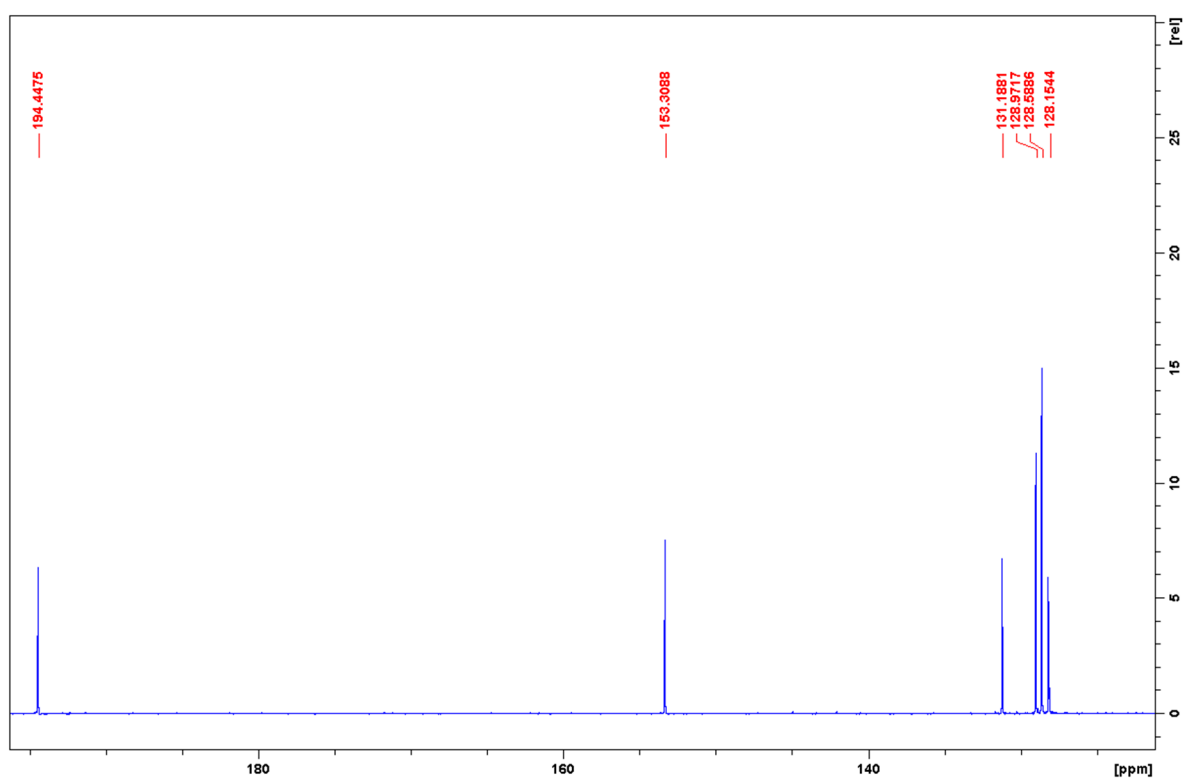


Figure S5. DEPT135 spectrum of 1.

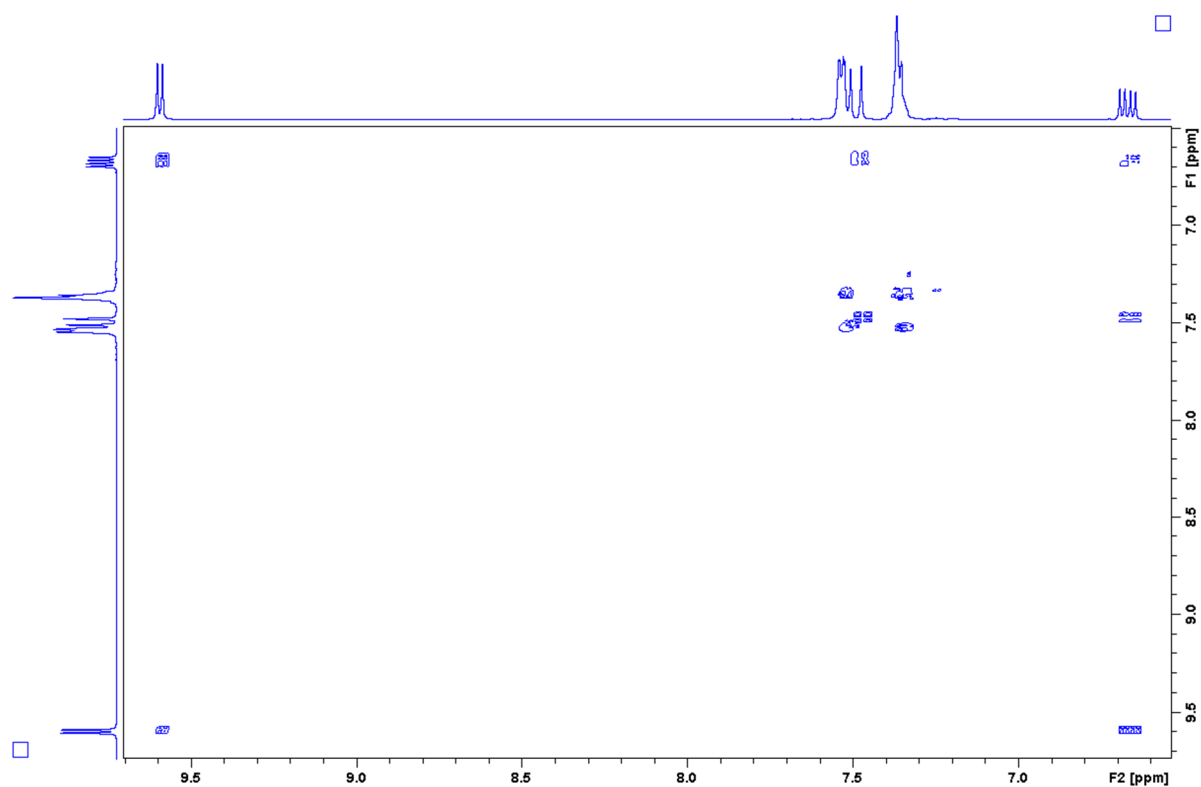


Figure S6. COSY spectrum of 1.

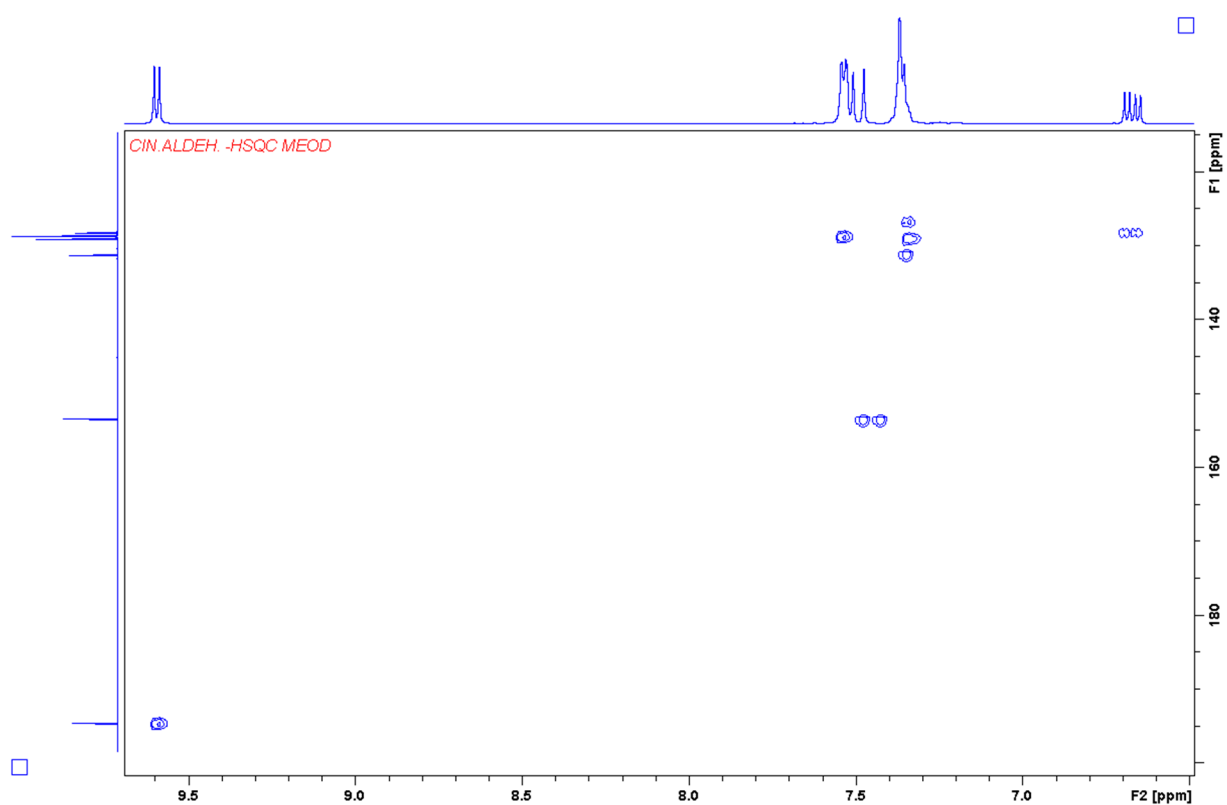


Figure S7. HSQC spectrum of **1**.

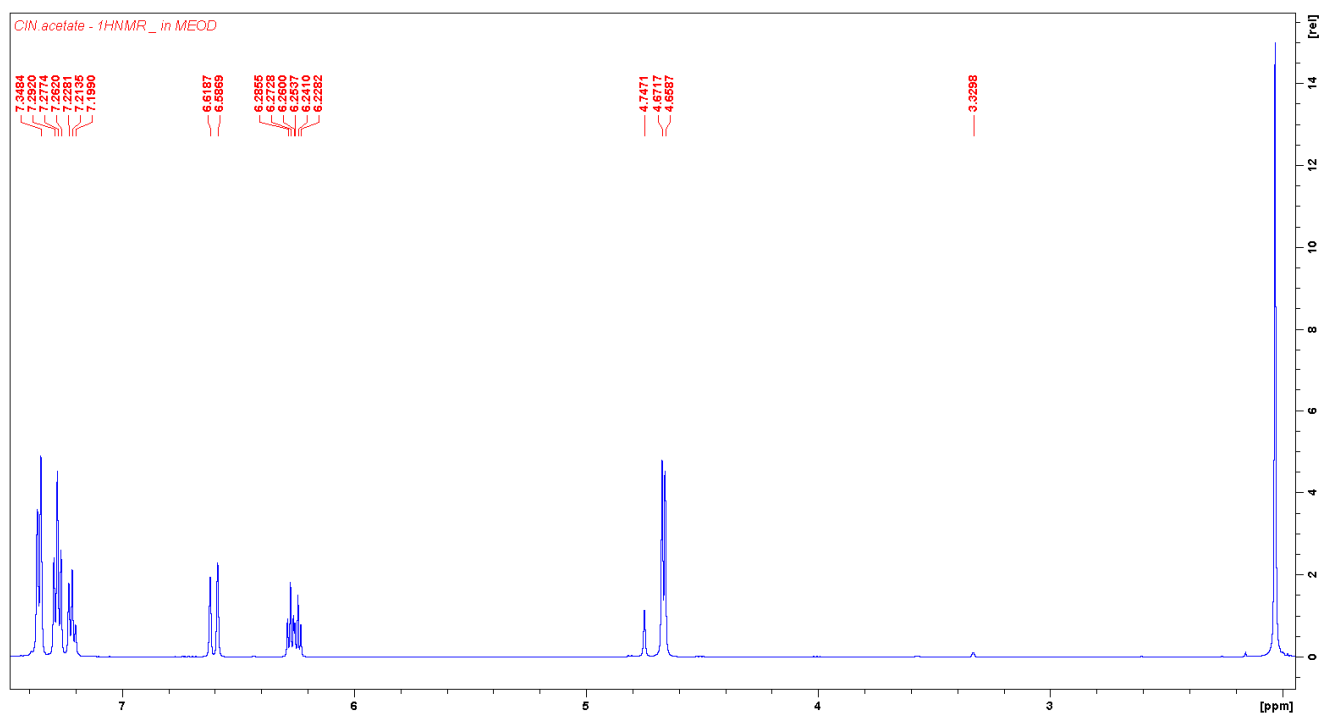


Figure S8. ^1H NMR spectrum of 2.

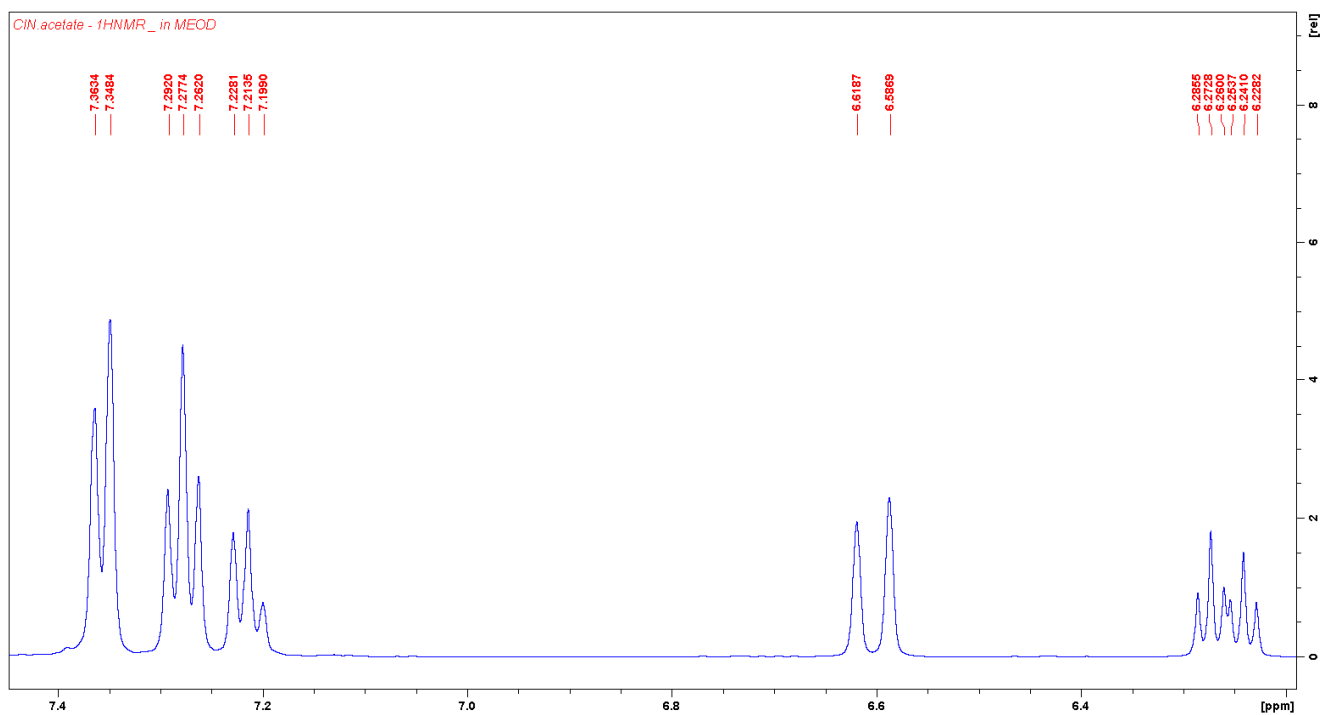


Figure S9. ^1H NMR spectrum of 2 (Exp.).

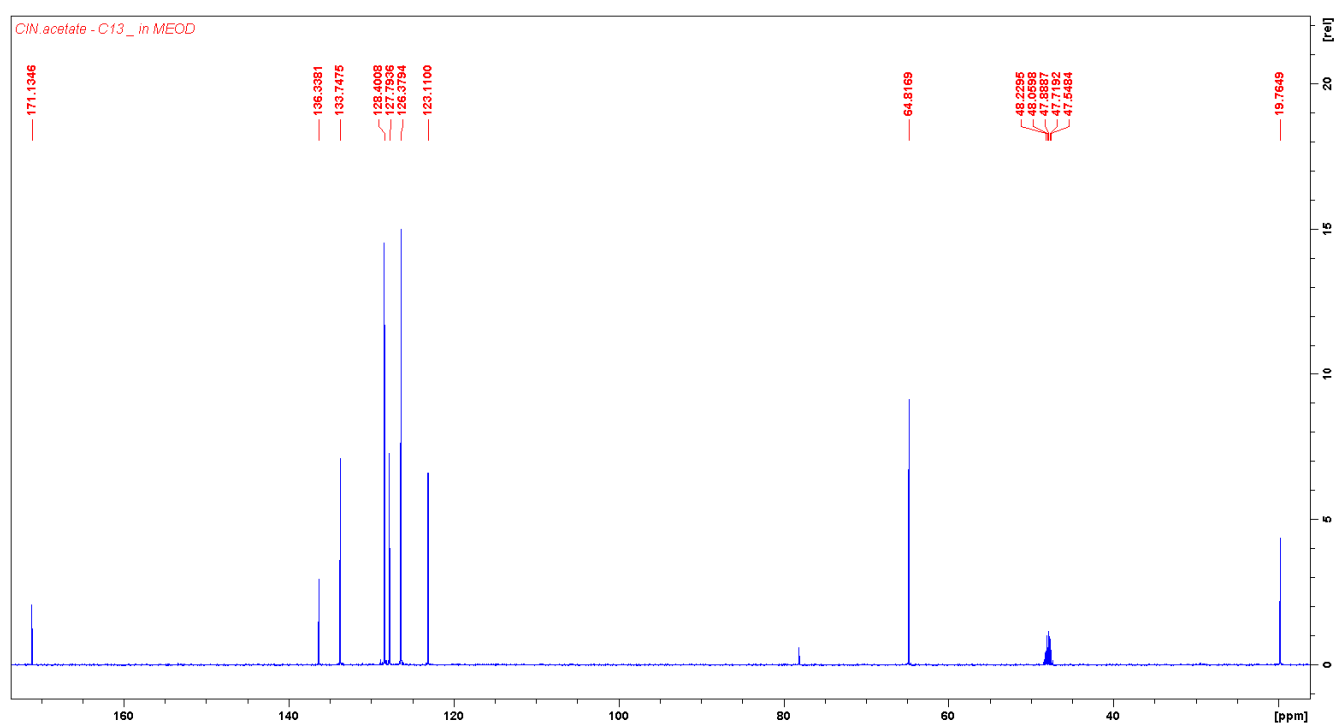


Figure S10. ^{13}C NMR spectrum of 2.

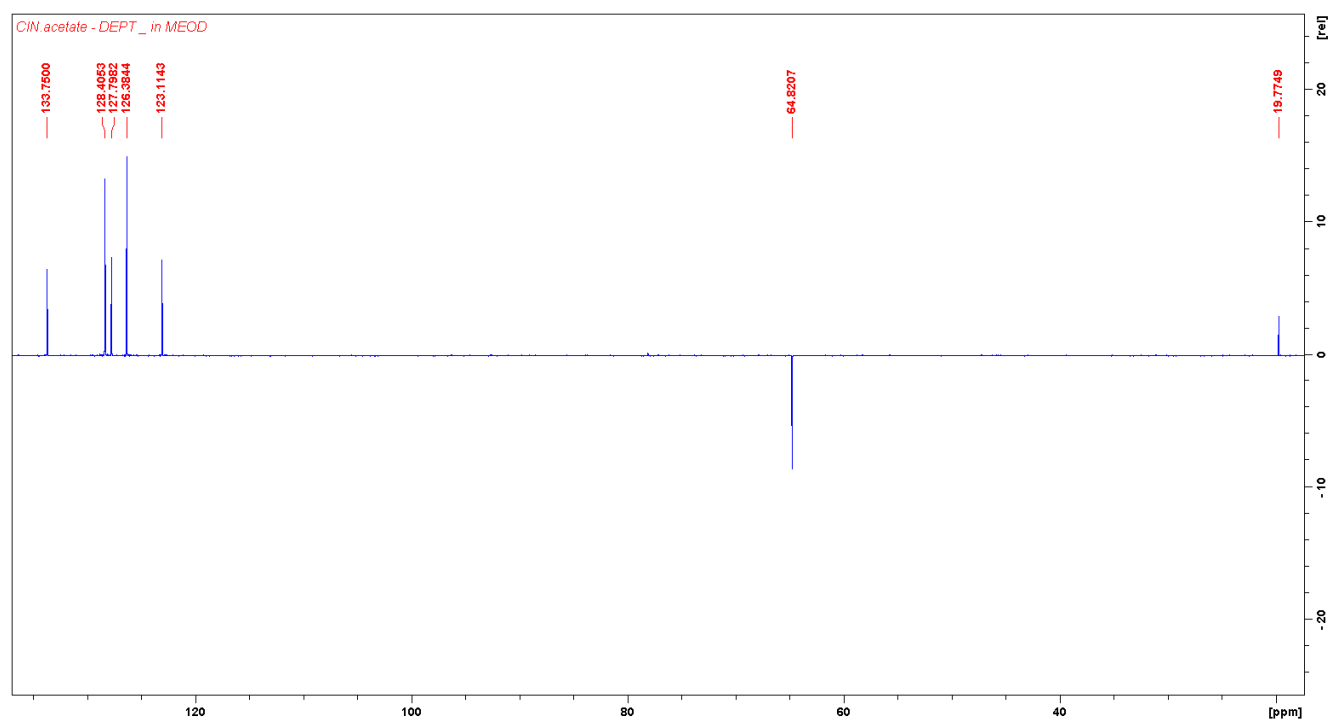


Figure S11. DEPT135 spectrum of 2.

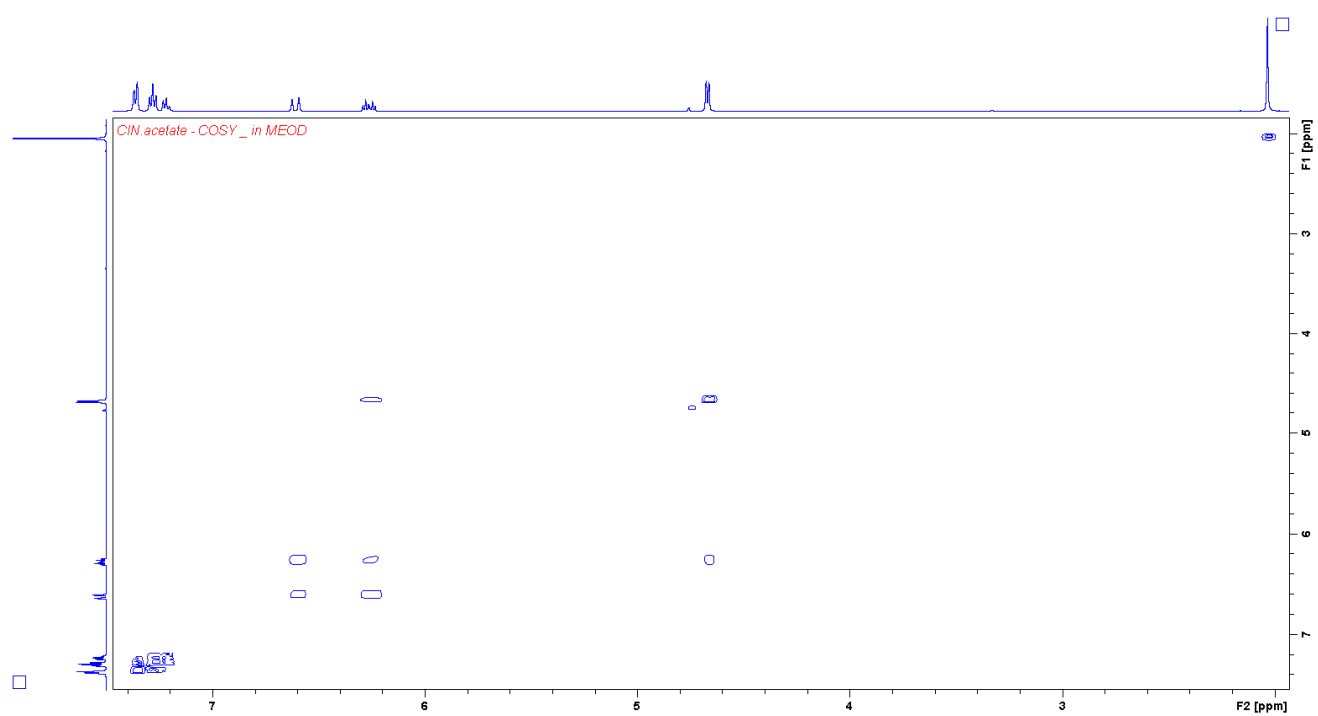


Figure S12. COSY spectrum of **2**.

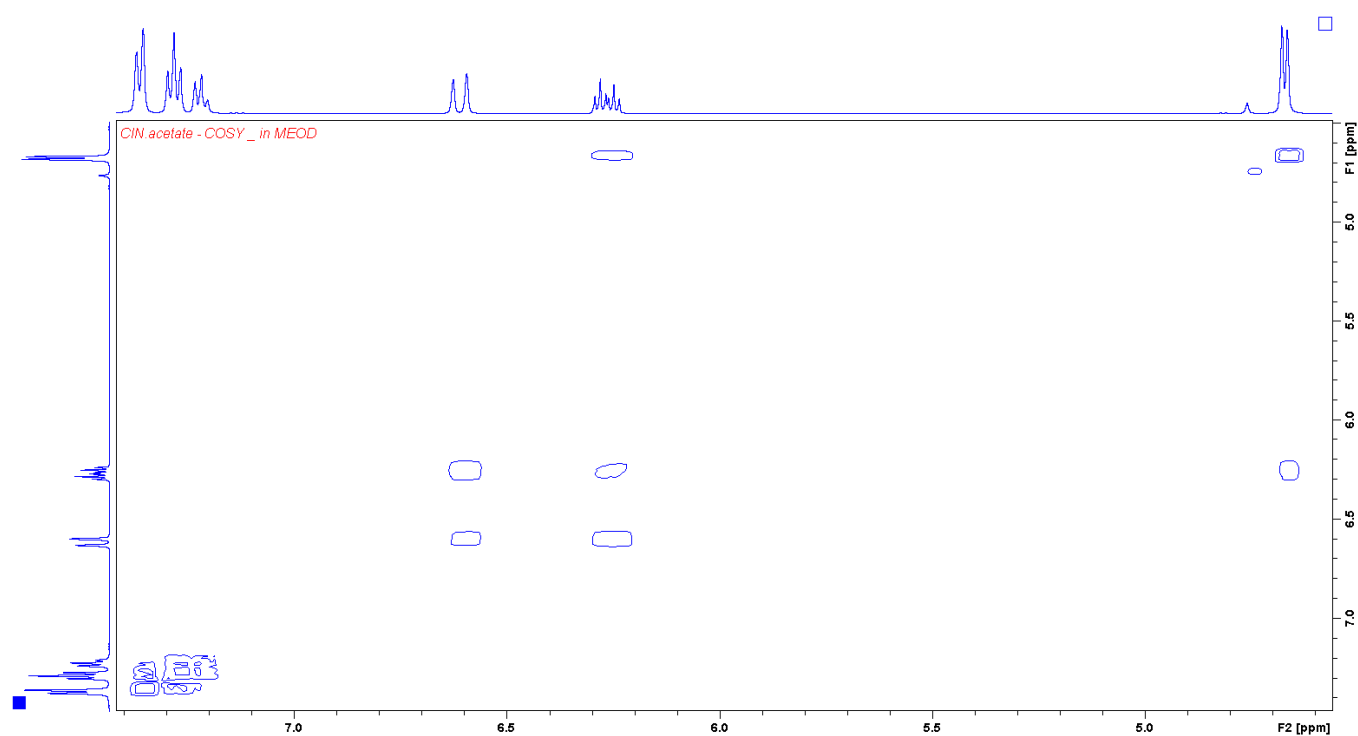


Figure S13. COSY spectrum of **2** (Exp.).

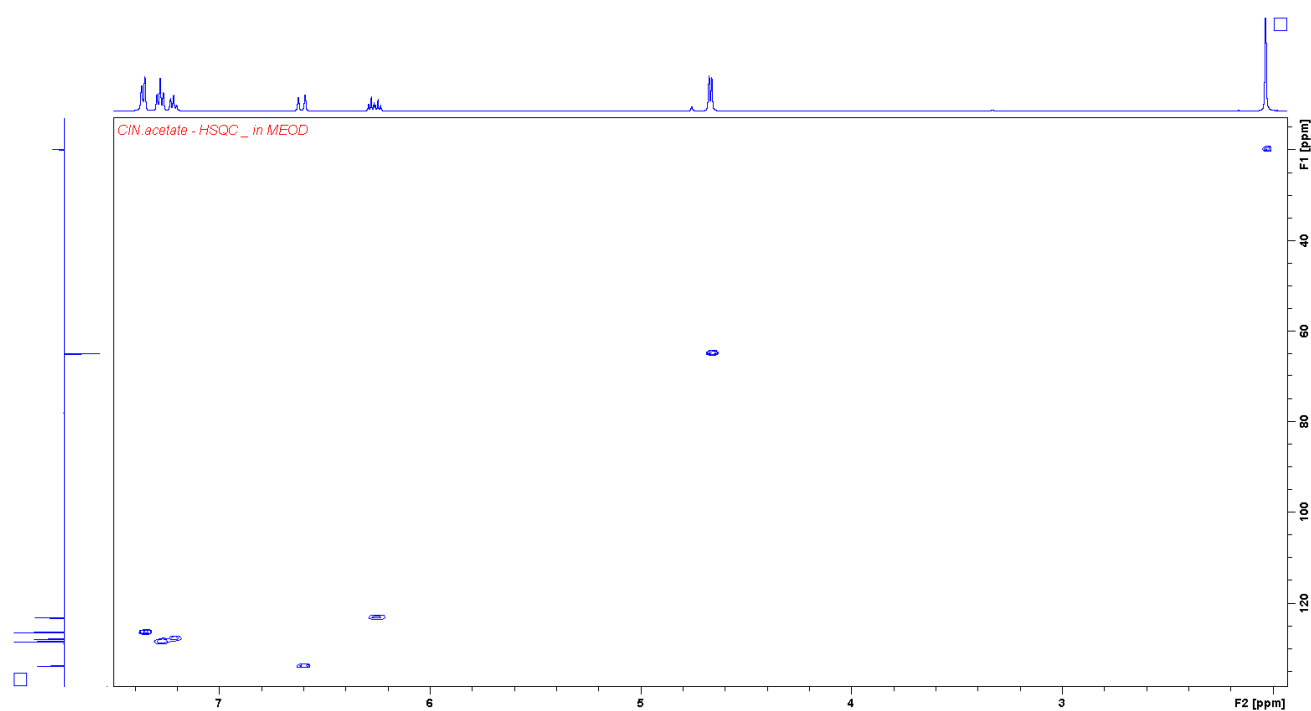


Figure S14. HSQC spectrum of 2.

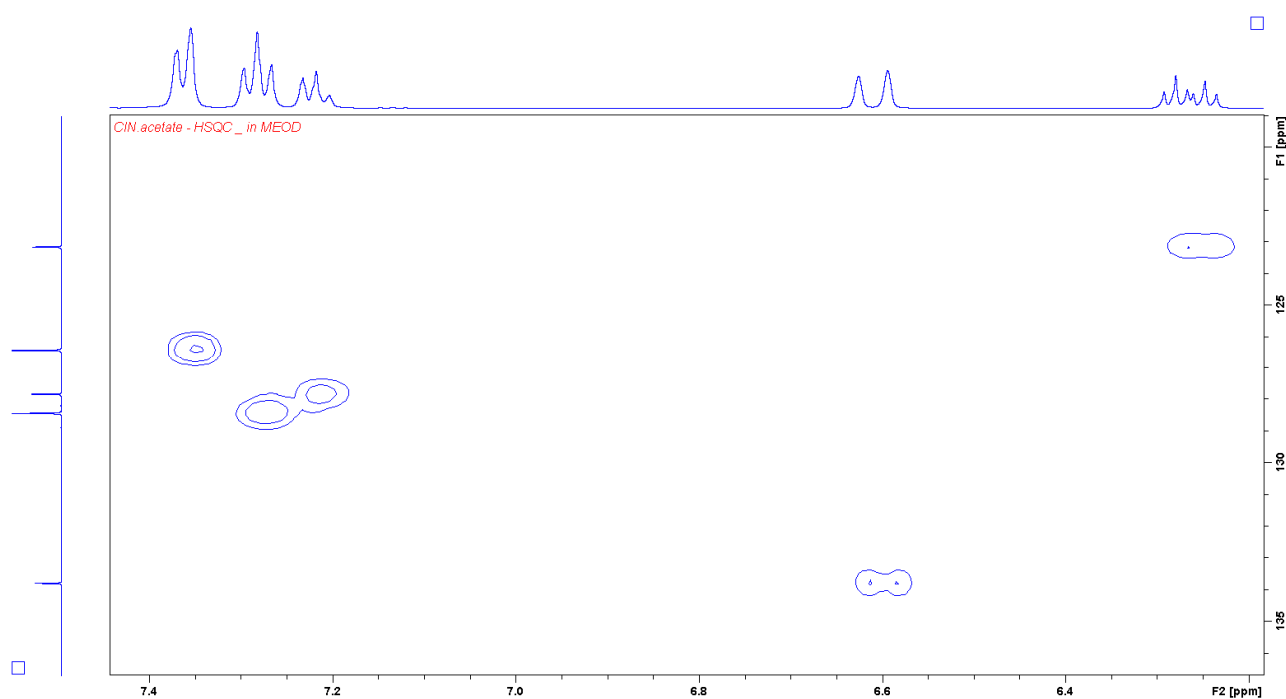


Figure S15. HSQC spectrum of 2 (Exp.).

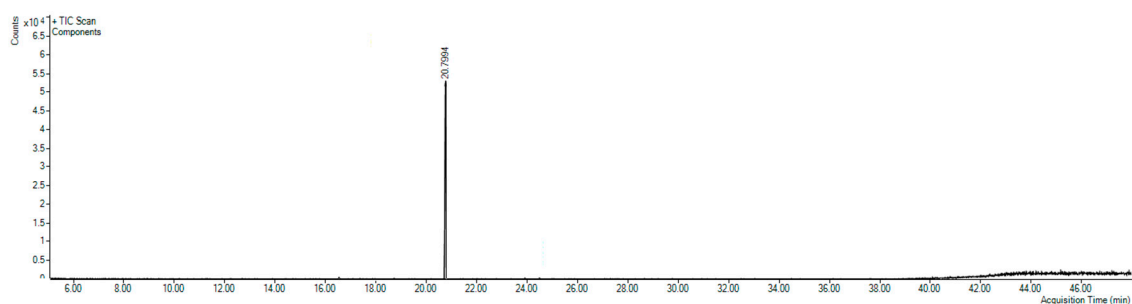


Figure S16. GC/FID chromatogram of **2**.

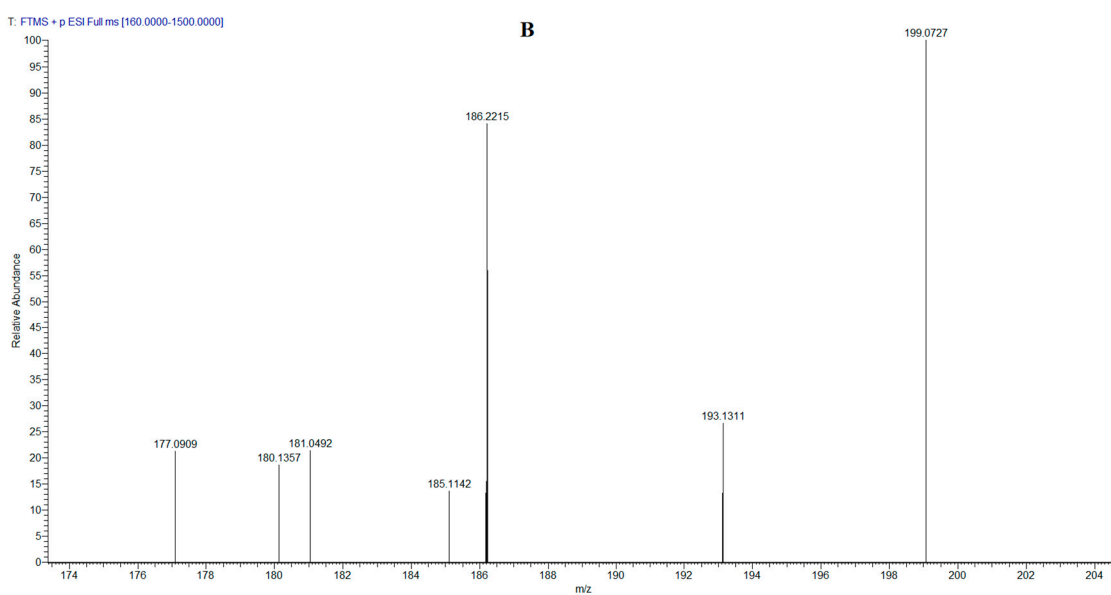
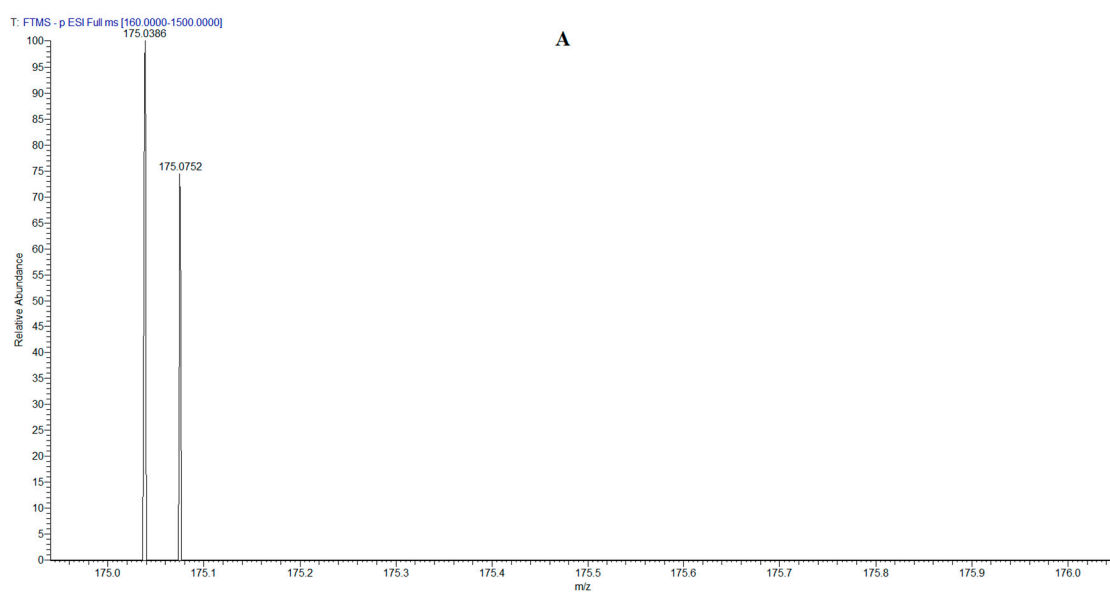


Figure S17. HRESIMS spectrum of **2** (A): Negative mode, (B): Positive mode.

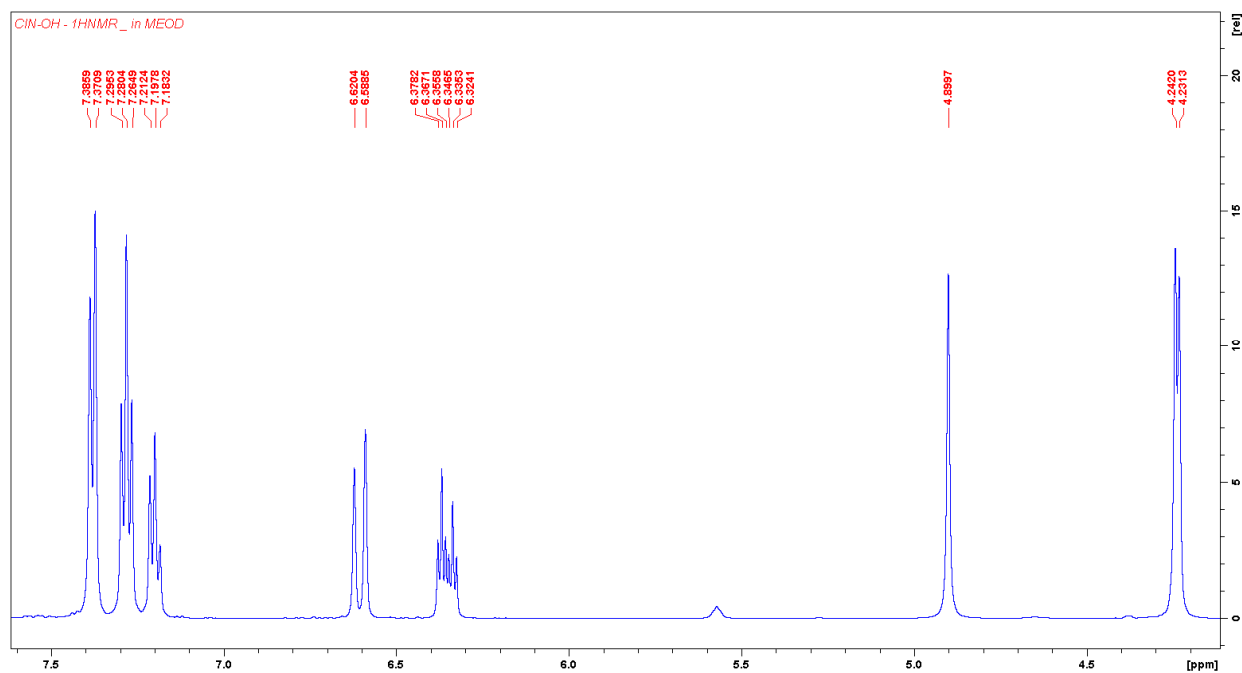


Figure S18. ^1H NMR spectrum of 4.

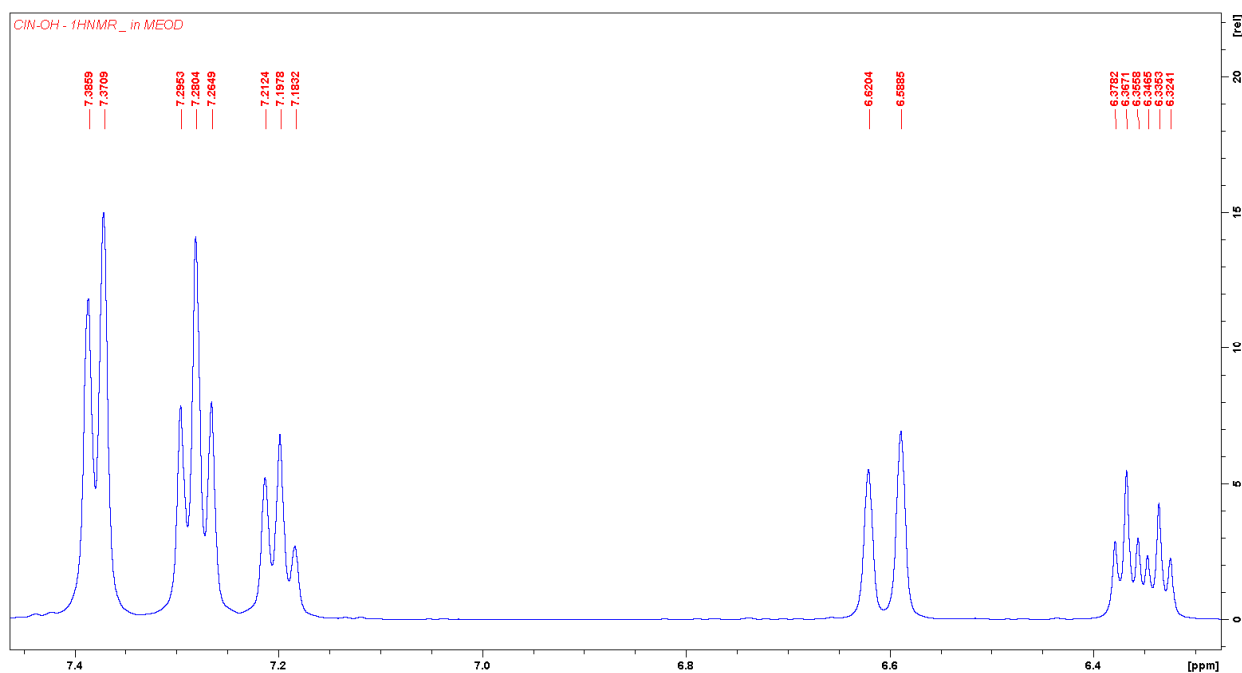
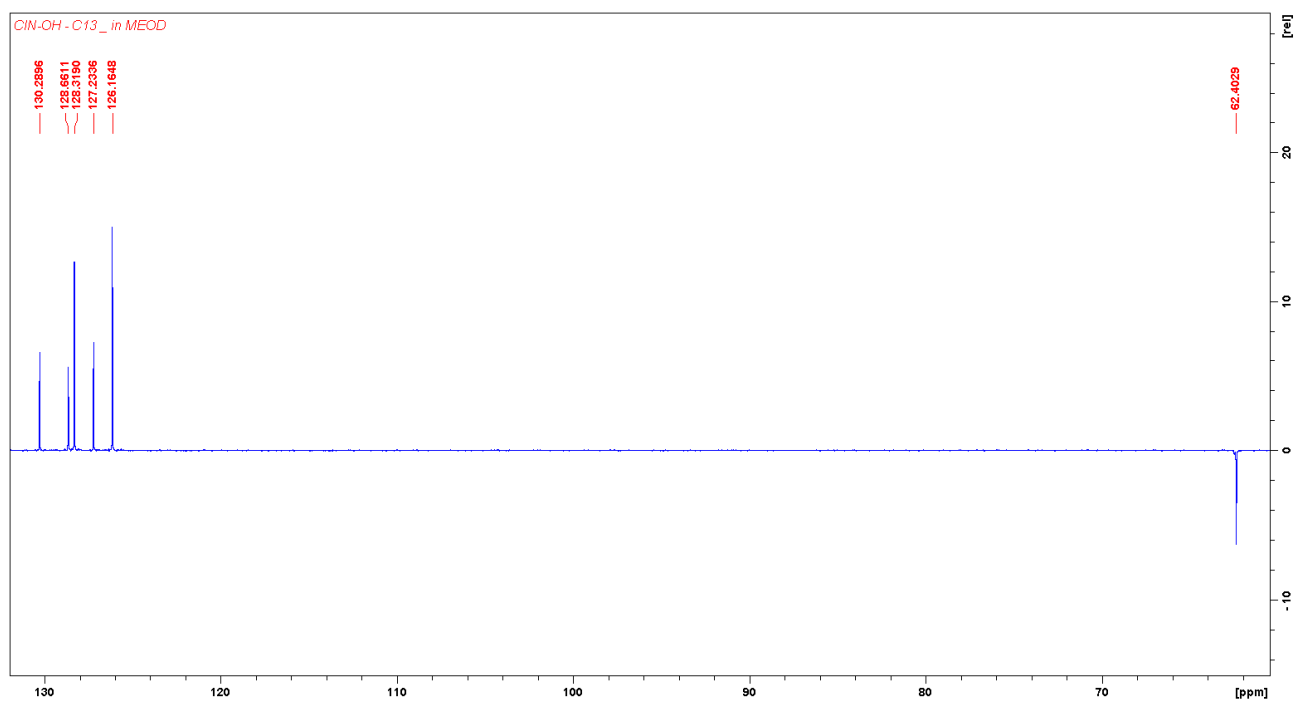
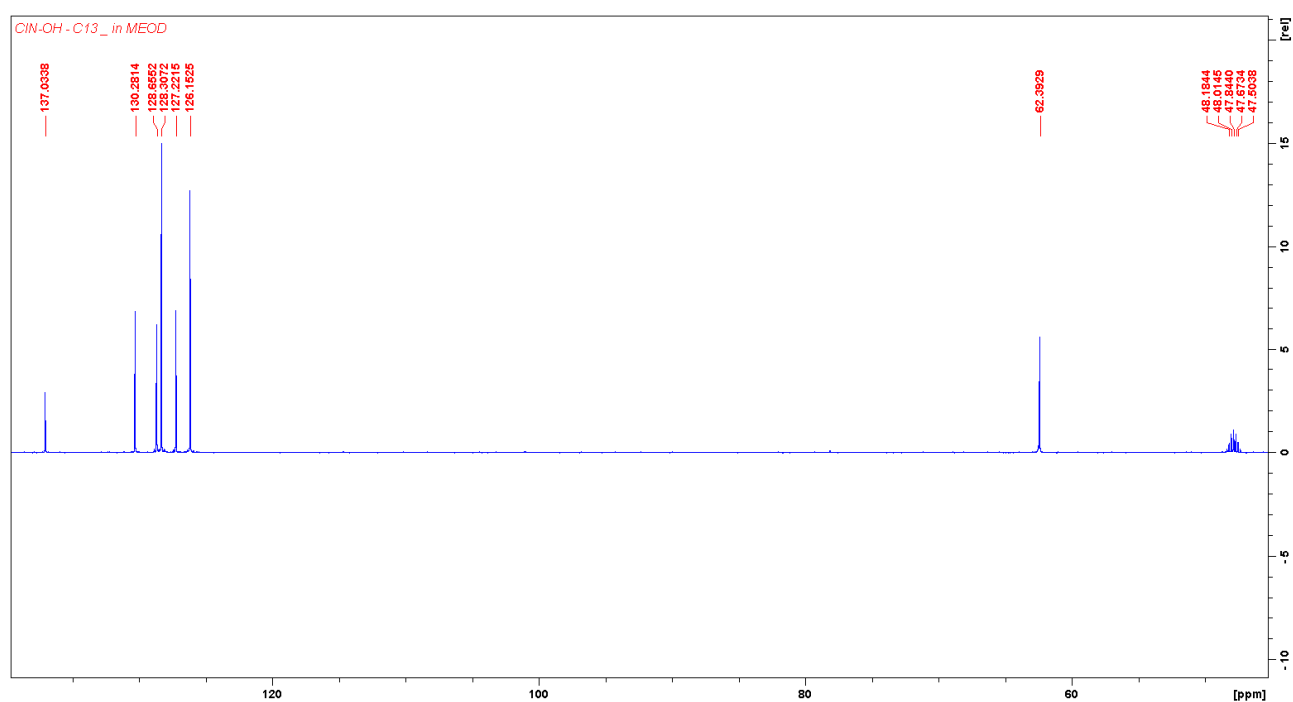


Figure S19. ^1H NMR spectrum of 4 (Exp.).



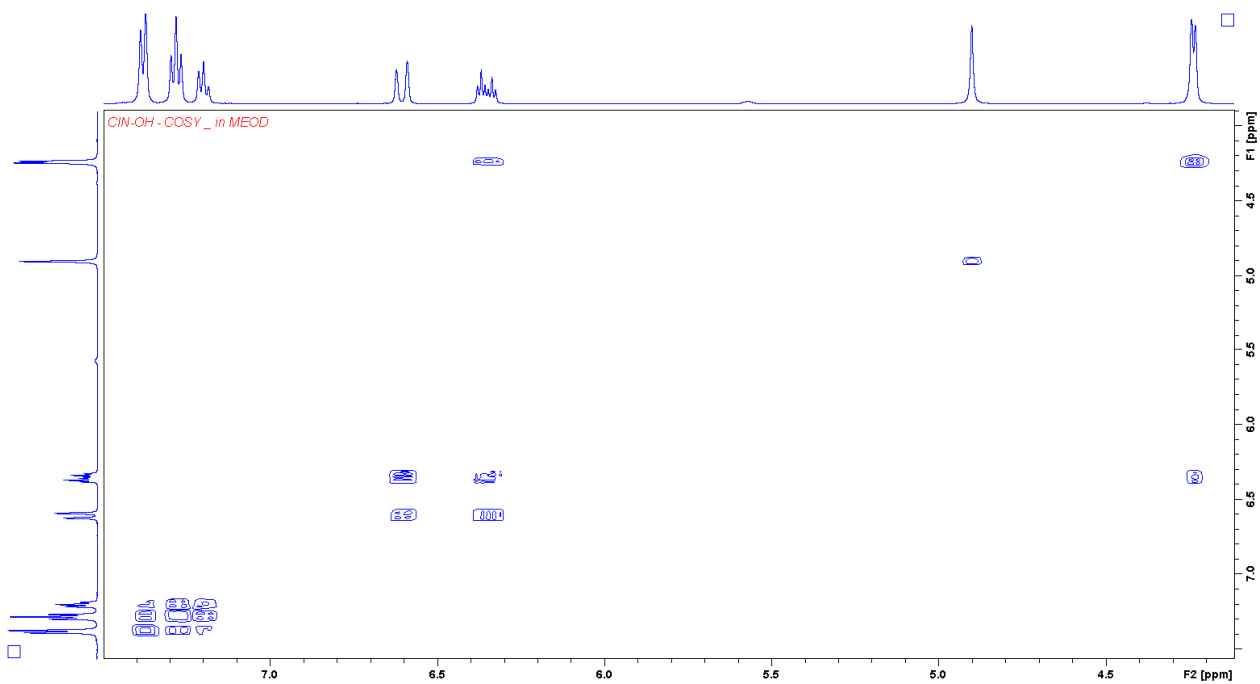


Figure S22. COSY spectrum of 4.

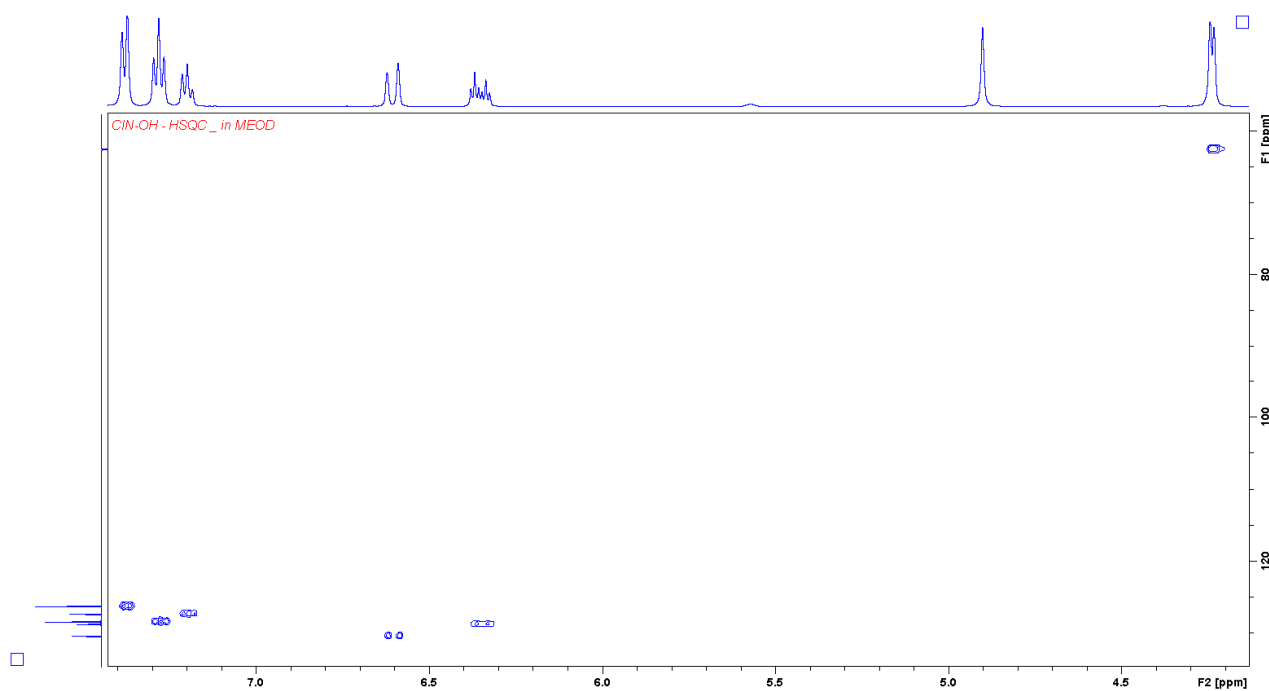


Figure S23. COSY spectrum of 4 (Exp.).

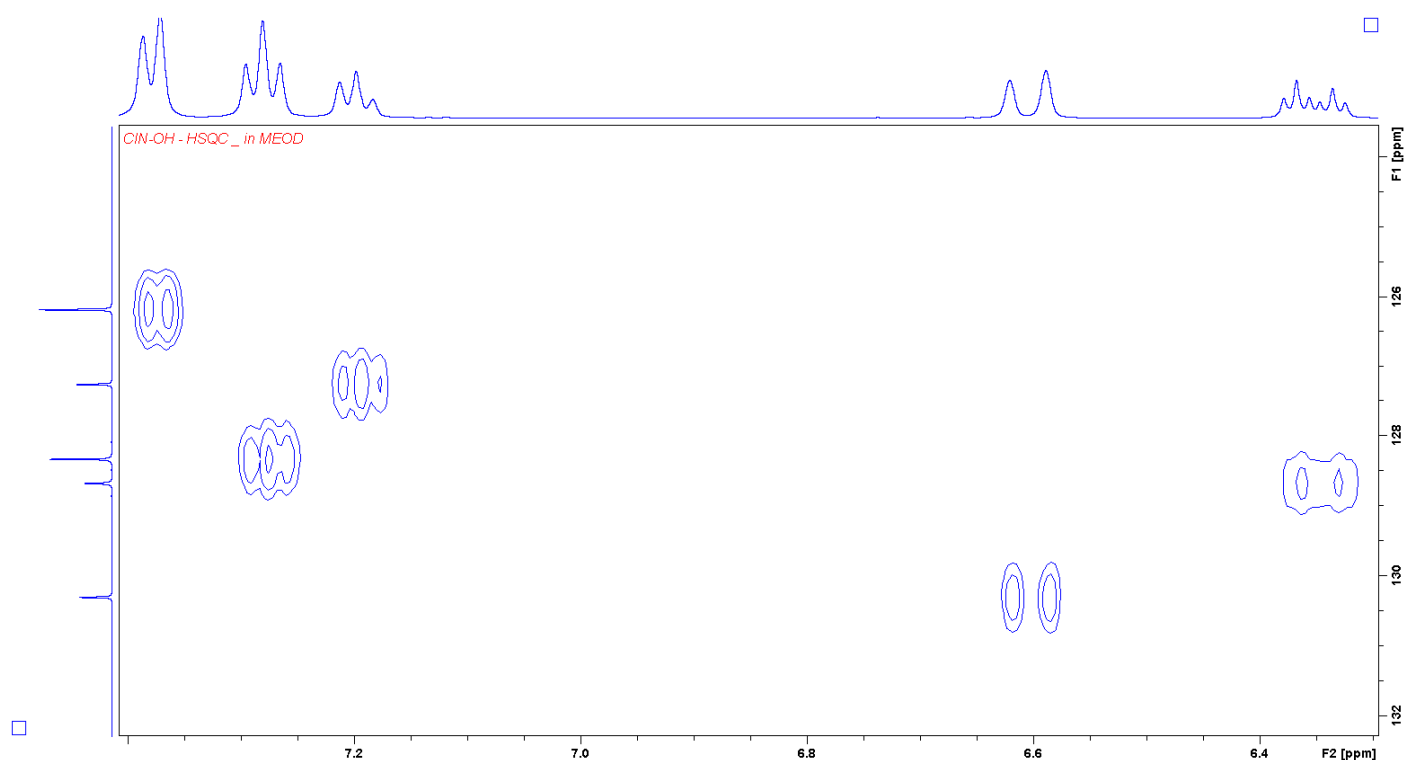


Figure S24. HSQC spectrum of 4.

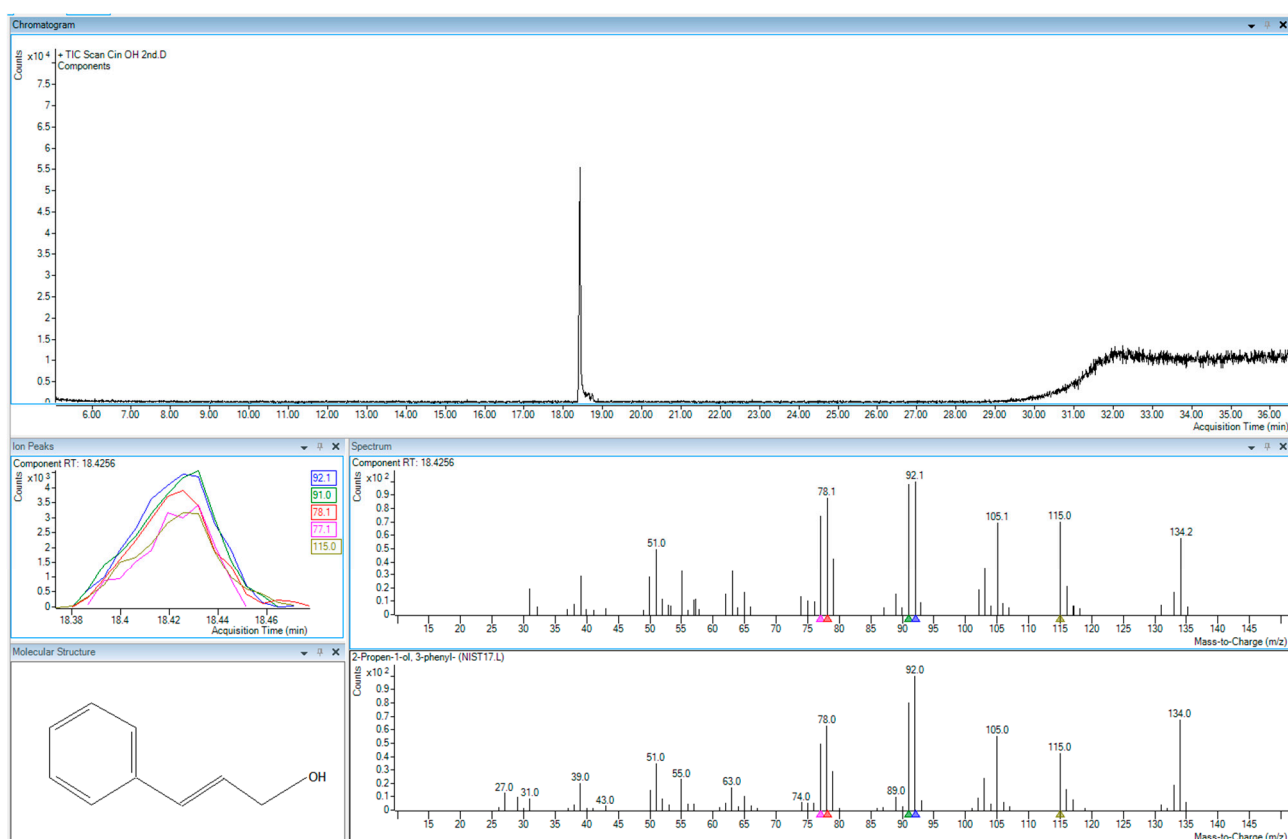


Figure S25. GC/MS spectrum of 4.