

Supplementary Materials

Figure S1. ^1H -NMR spectrum of **5** at 300 K.

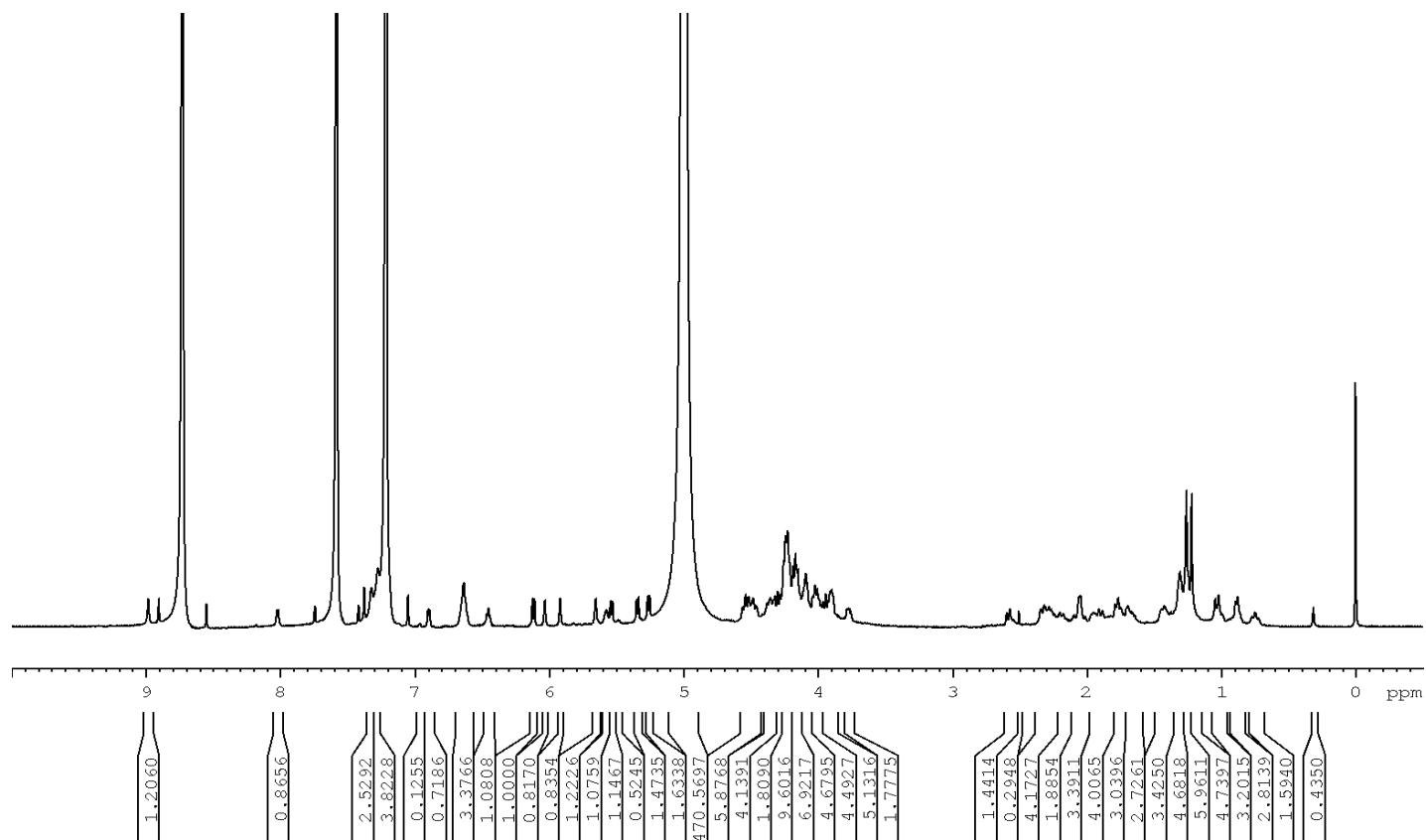


Figure S2. Expansion of ^1H -NMR spectrum of **5** at 300 K.

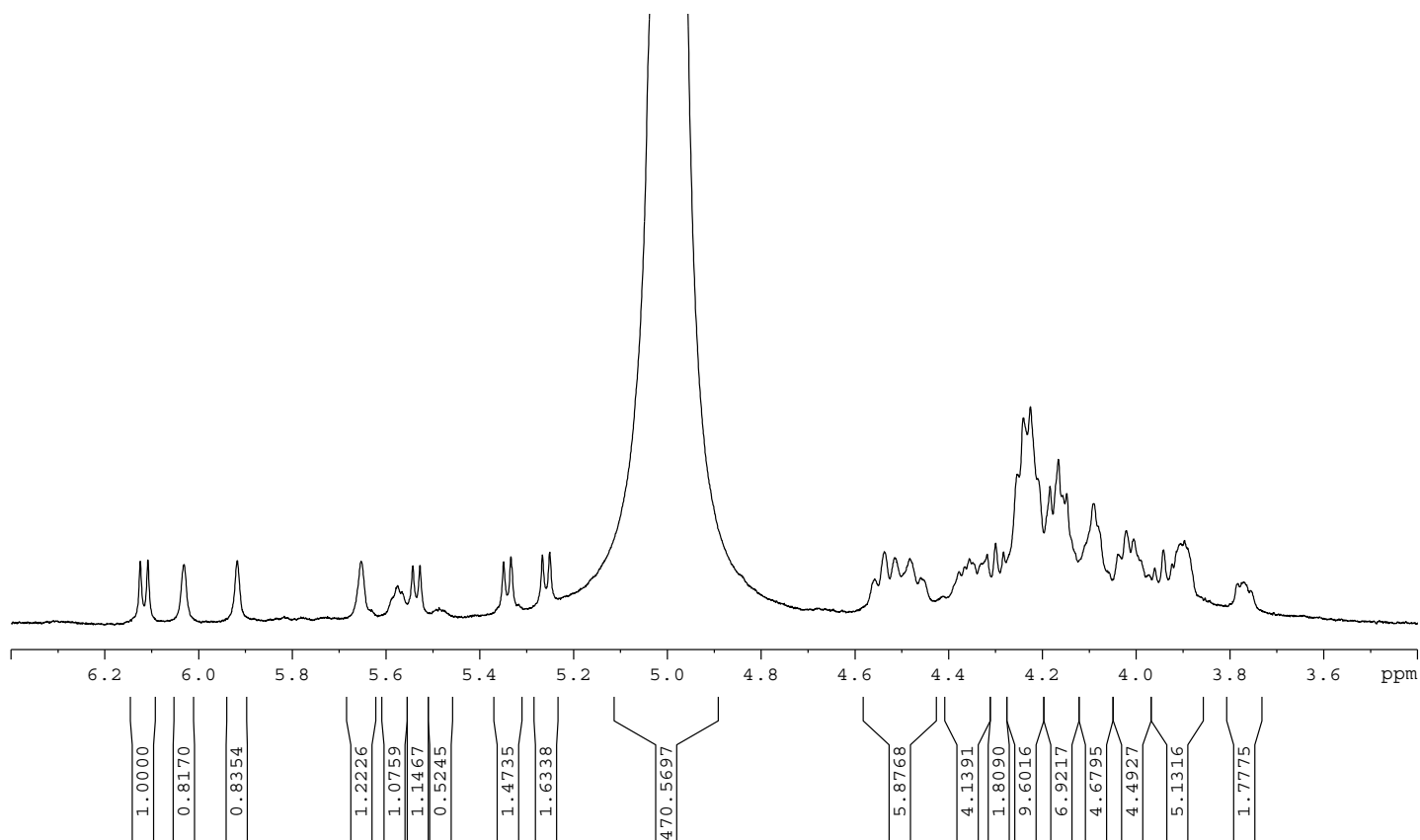


Figure S3. ^1H -NMR spectrum of **5** at 292 K.

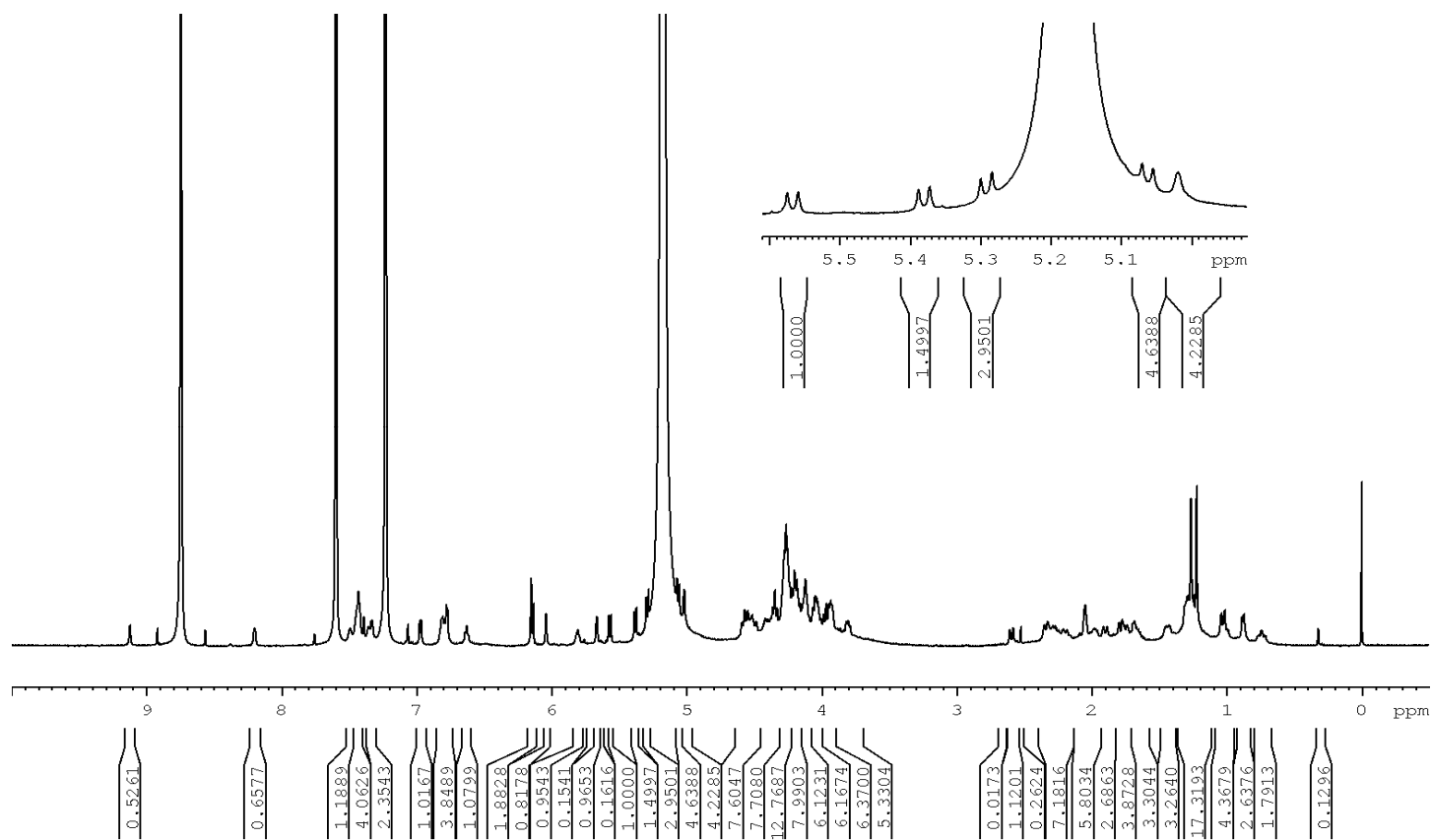


Figure S4. Expansion of ^1H -NMR spectrum of **5** at 292 K.

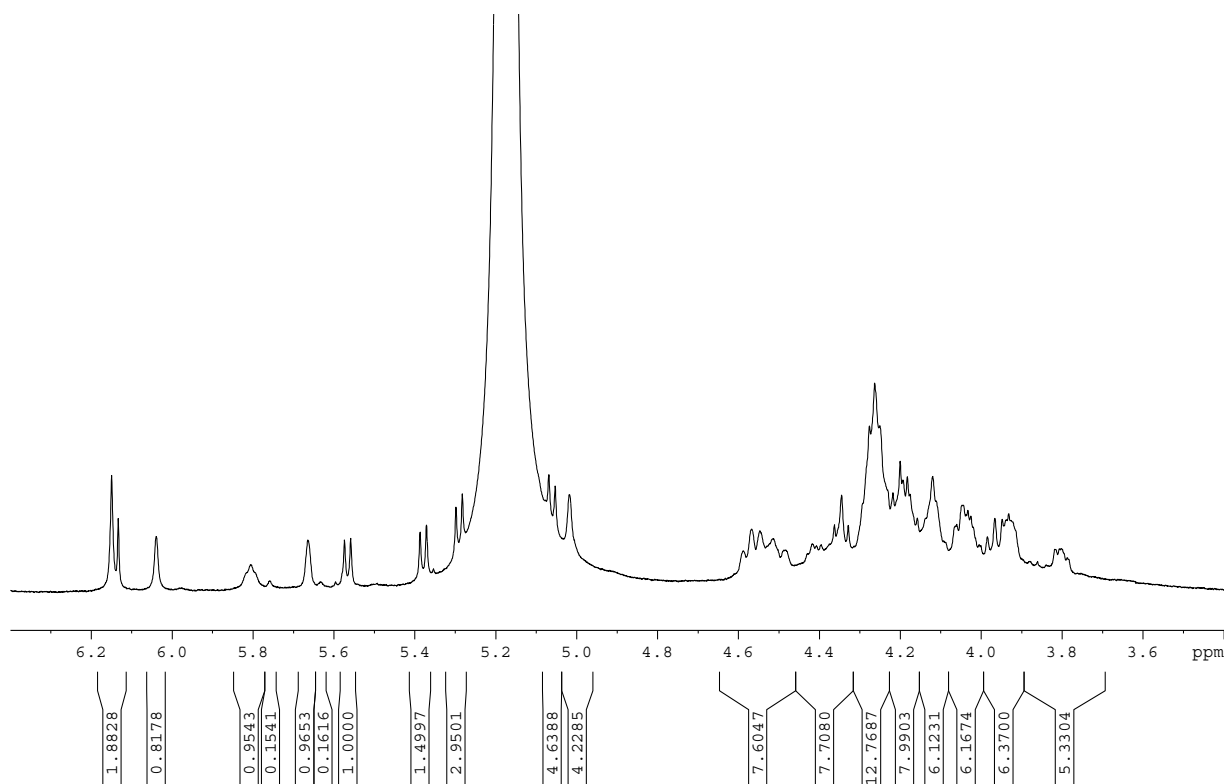


Figure S5. ^{13}C -NMR spectrum of **5** at 292 K.

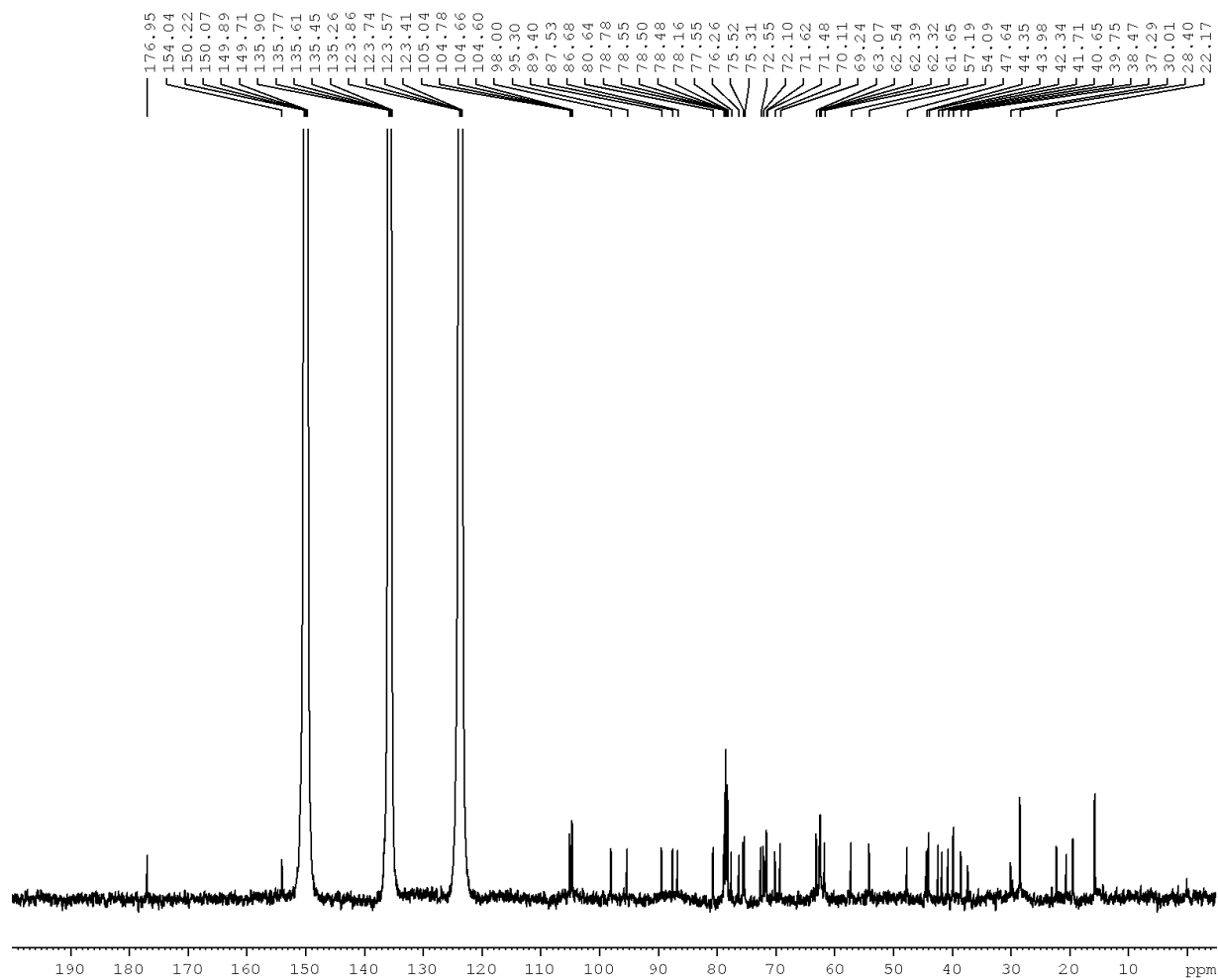


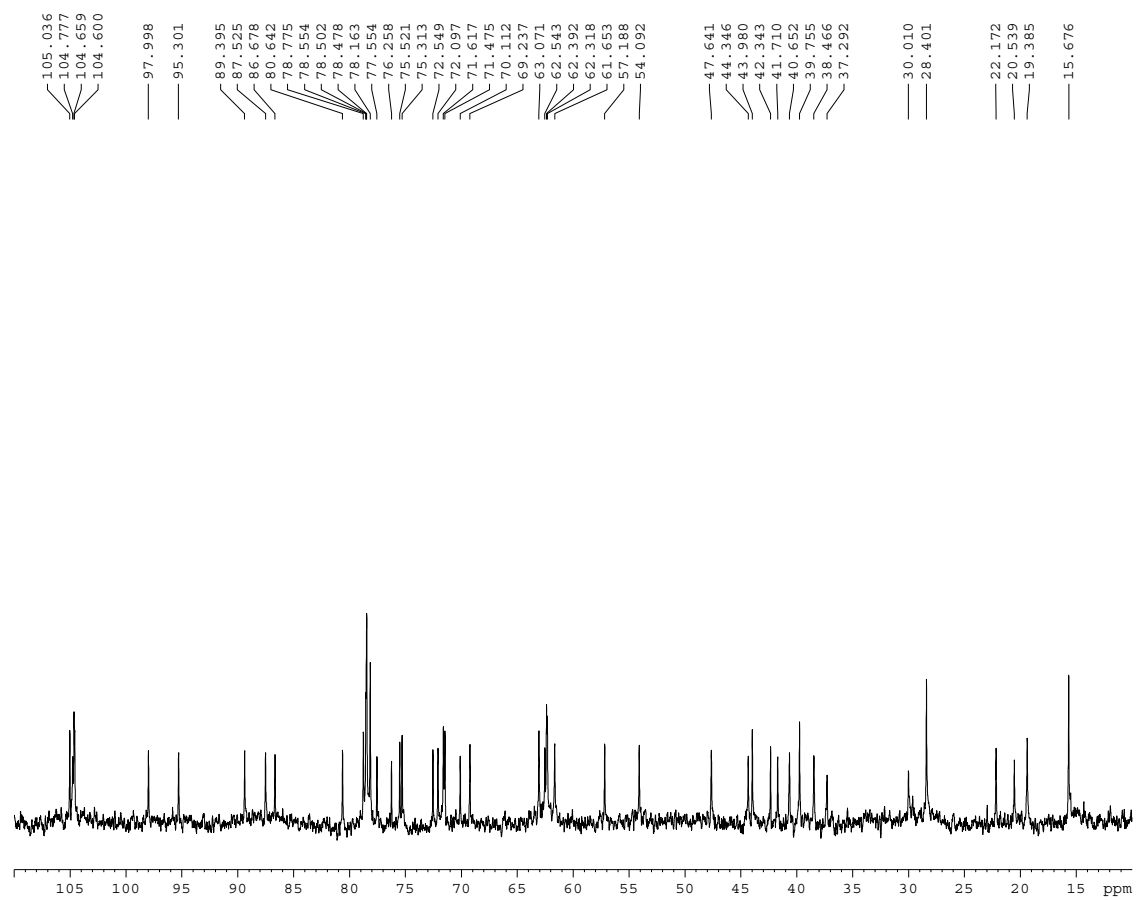
Figure S6. Expansion of ^{13}C -NMR spectrum of **5** at 292 K.

Figure S7. ^1H - ^1H COSY spectrum of **5** at 292 K.

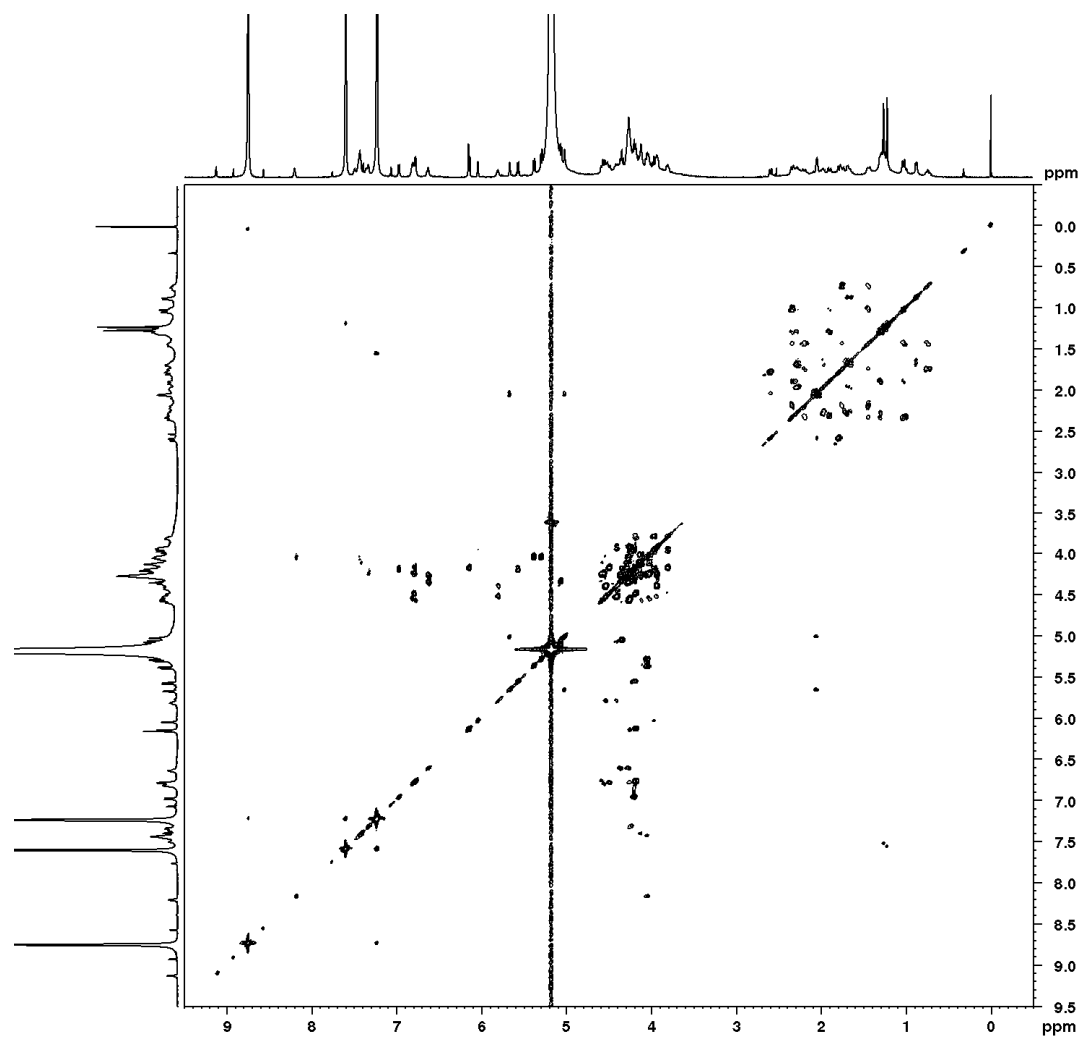


Figure S8. ^1H - ^1H COSY spectrum of **5** at 292 K.

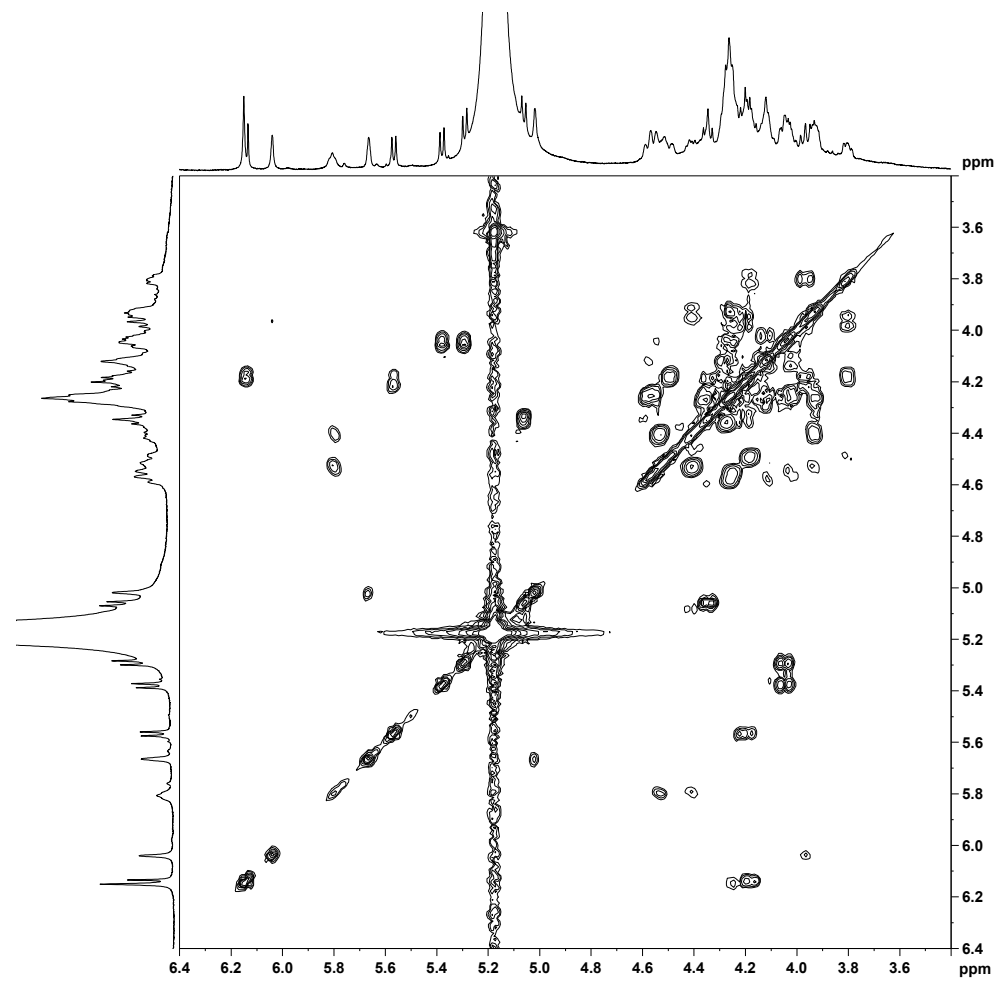


Figure S9. ^1H - ^{13}C HSQC-DEPT spectrum of **5** at 292 K.

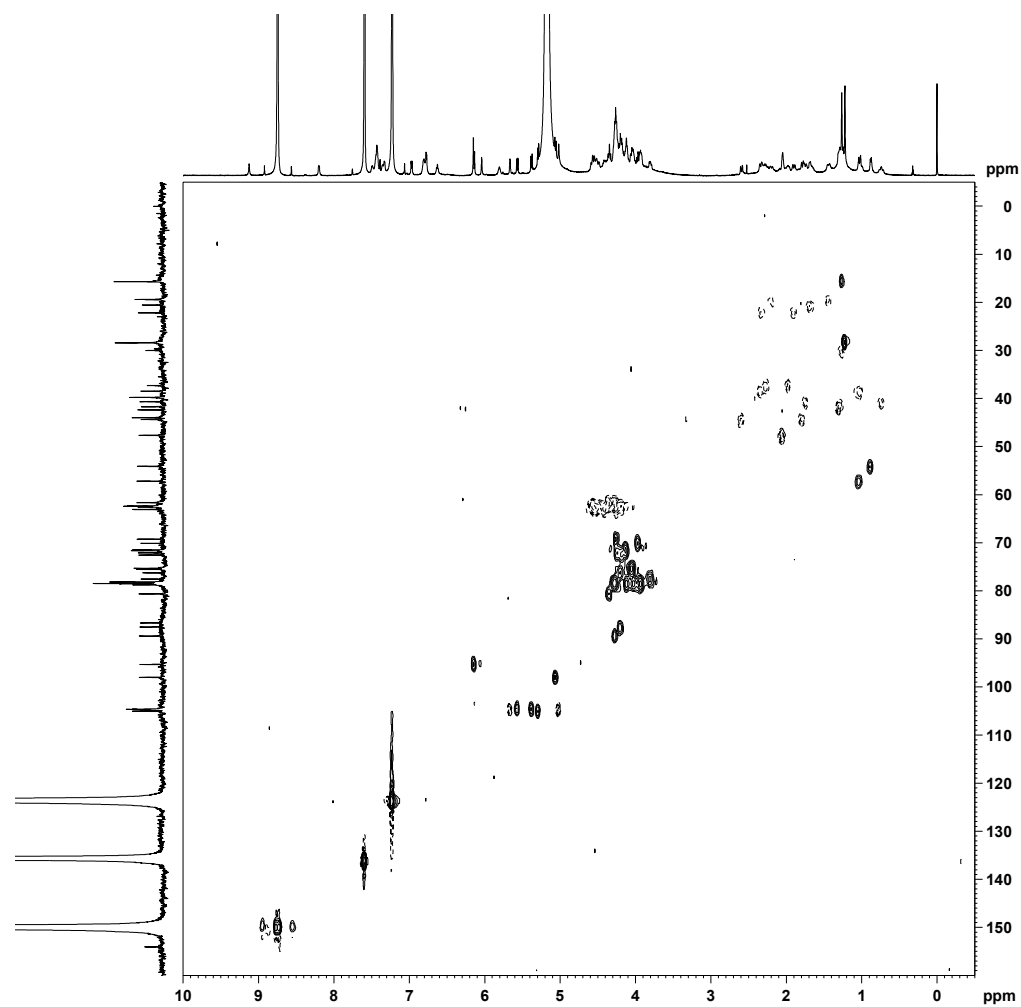


Figure S10. ^1H - ^{13}C HSQC-DEPT spectrum of **5** at 292 K.

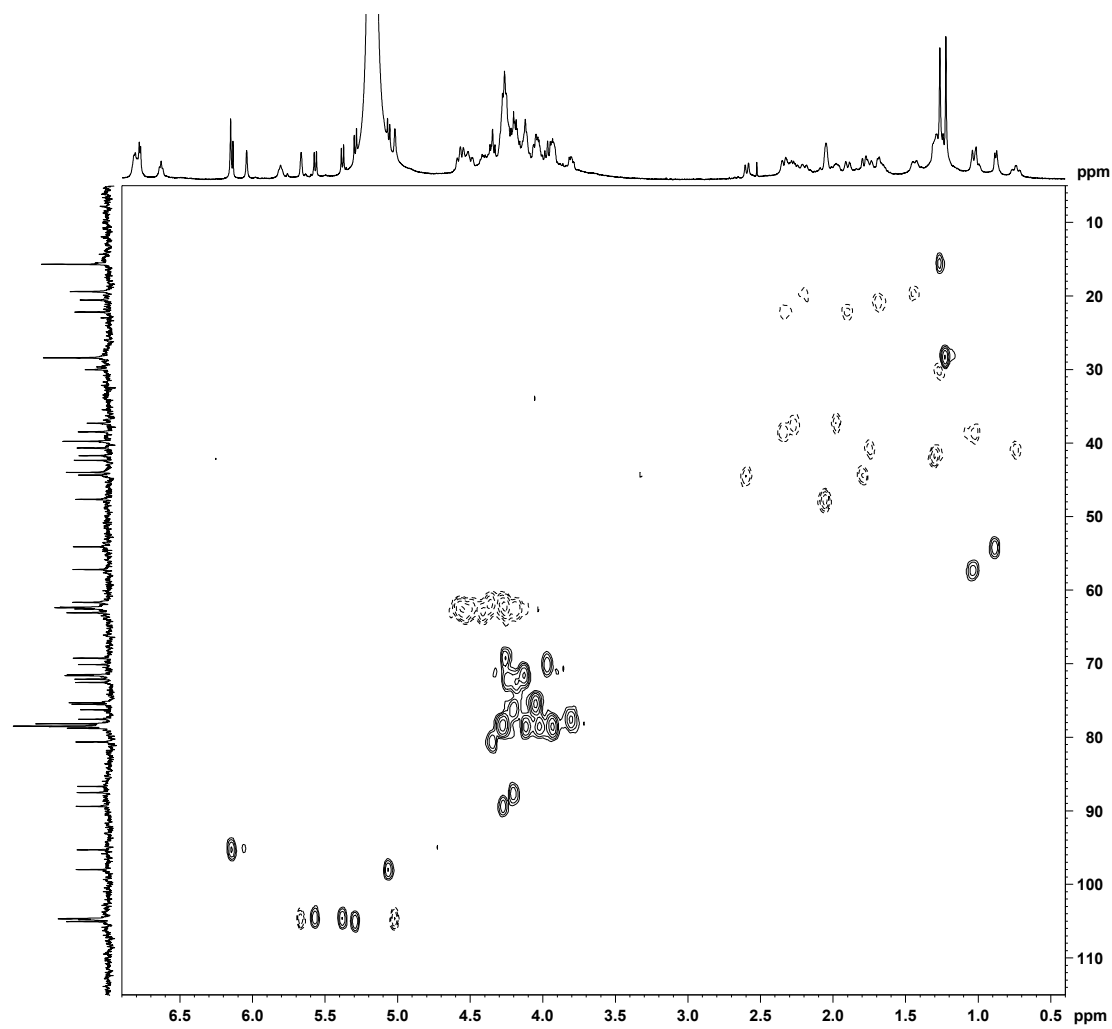


Figure S11. ^1H - ^{13}C HMBC spectrum of **5** at 292 K.

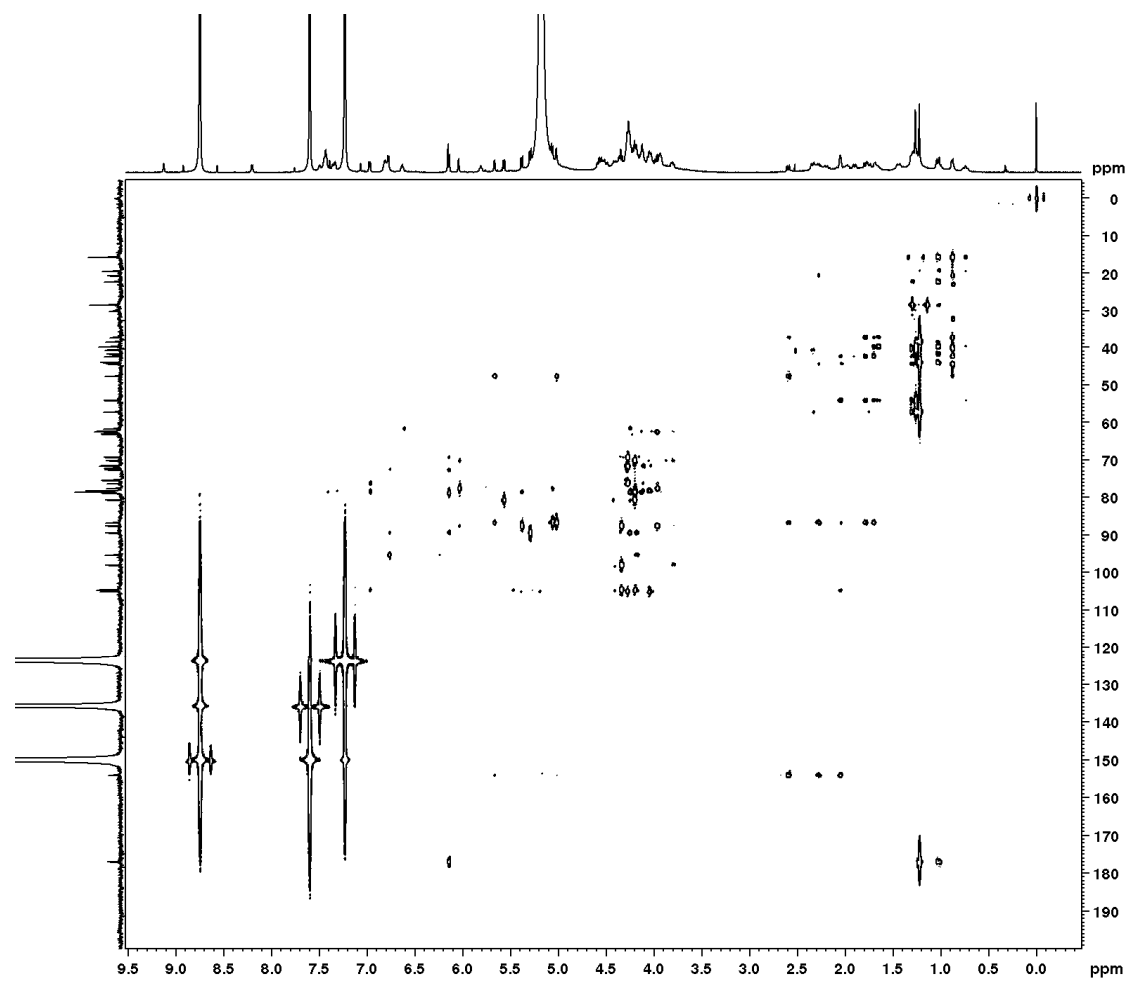


Figure S12. ^1H - ^{13}C HMBC spectrum of **5** at 292 K.

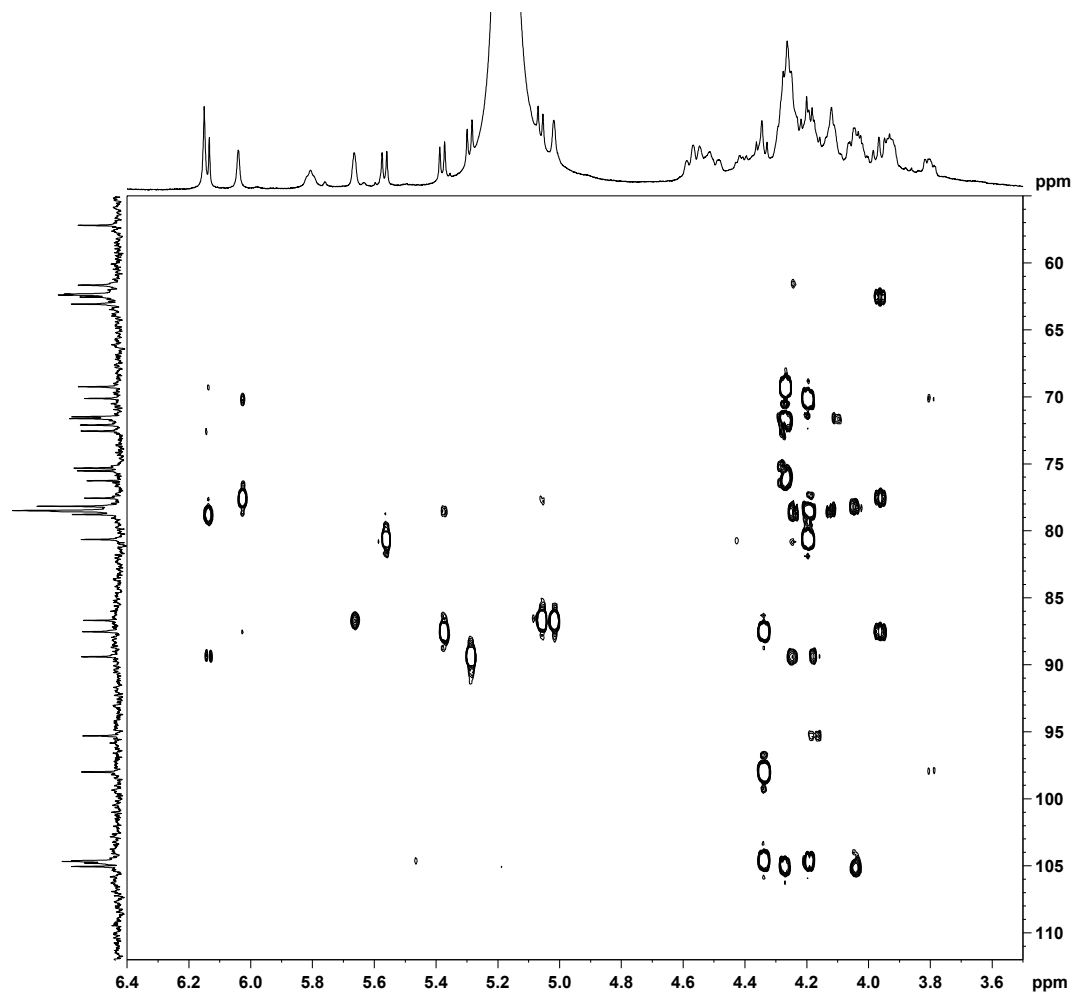


Figure S13. ^1H - ^1H NOESY spectrum of **5** at 292 K.

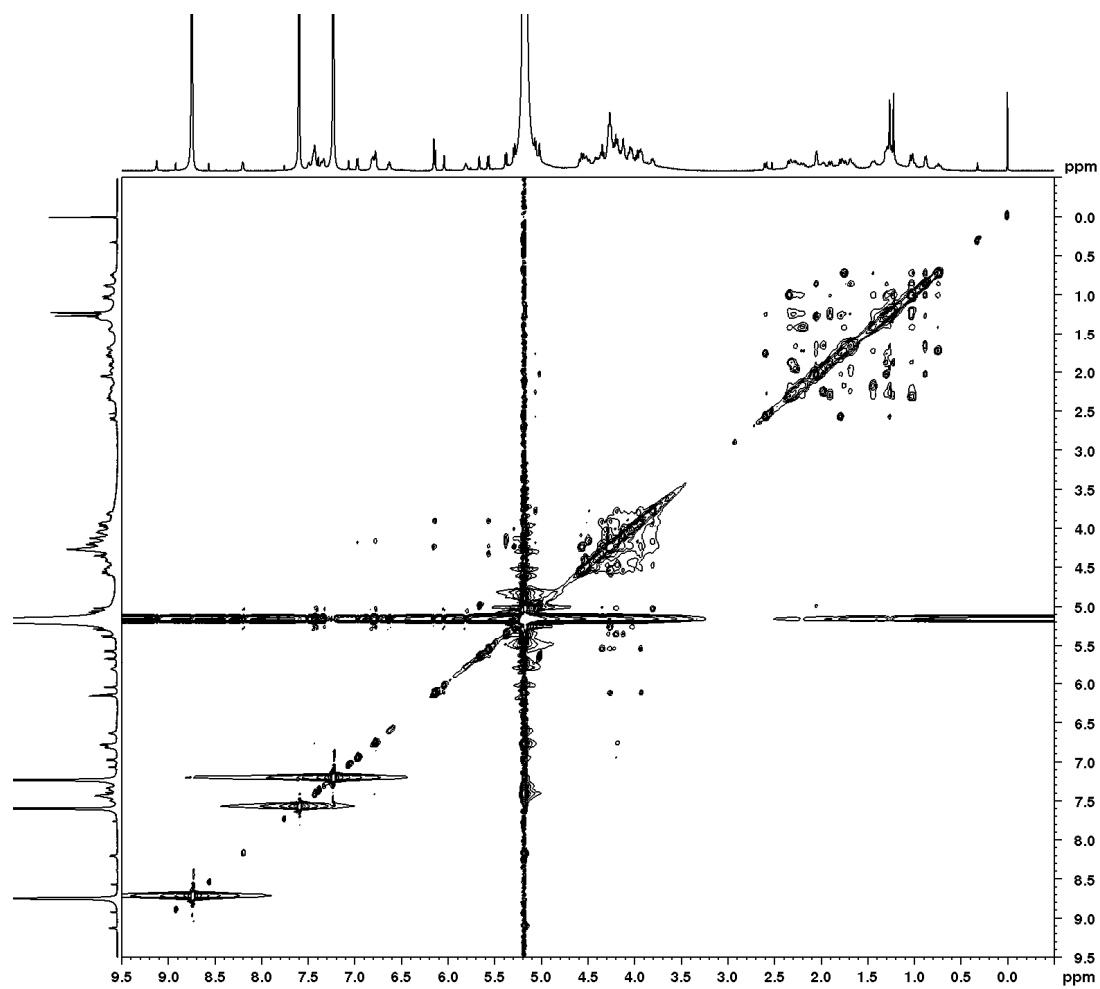


Figure S14. ^1H - ^1H NOESY spectrum of **5** at 292 K.

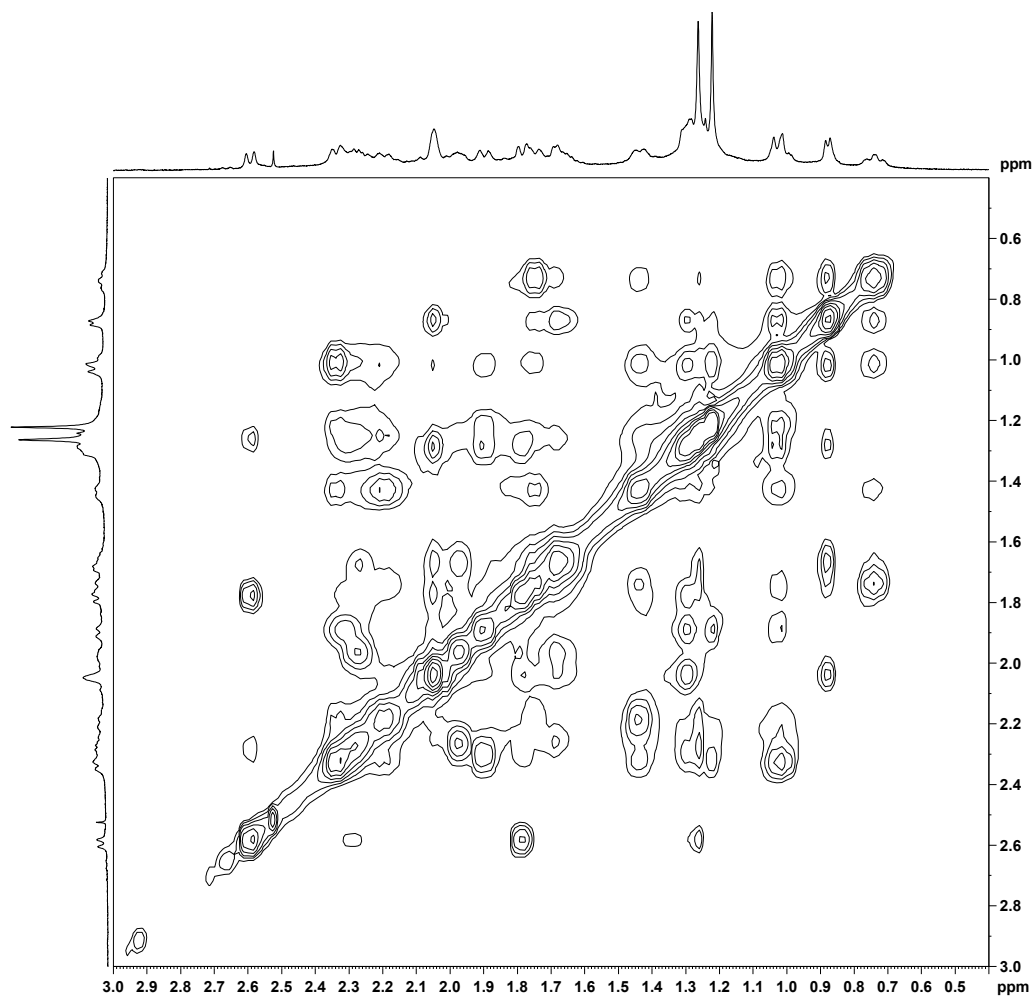


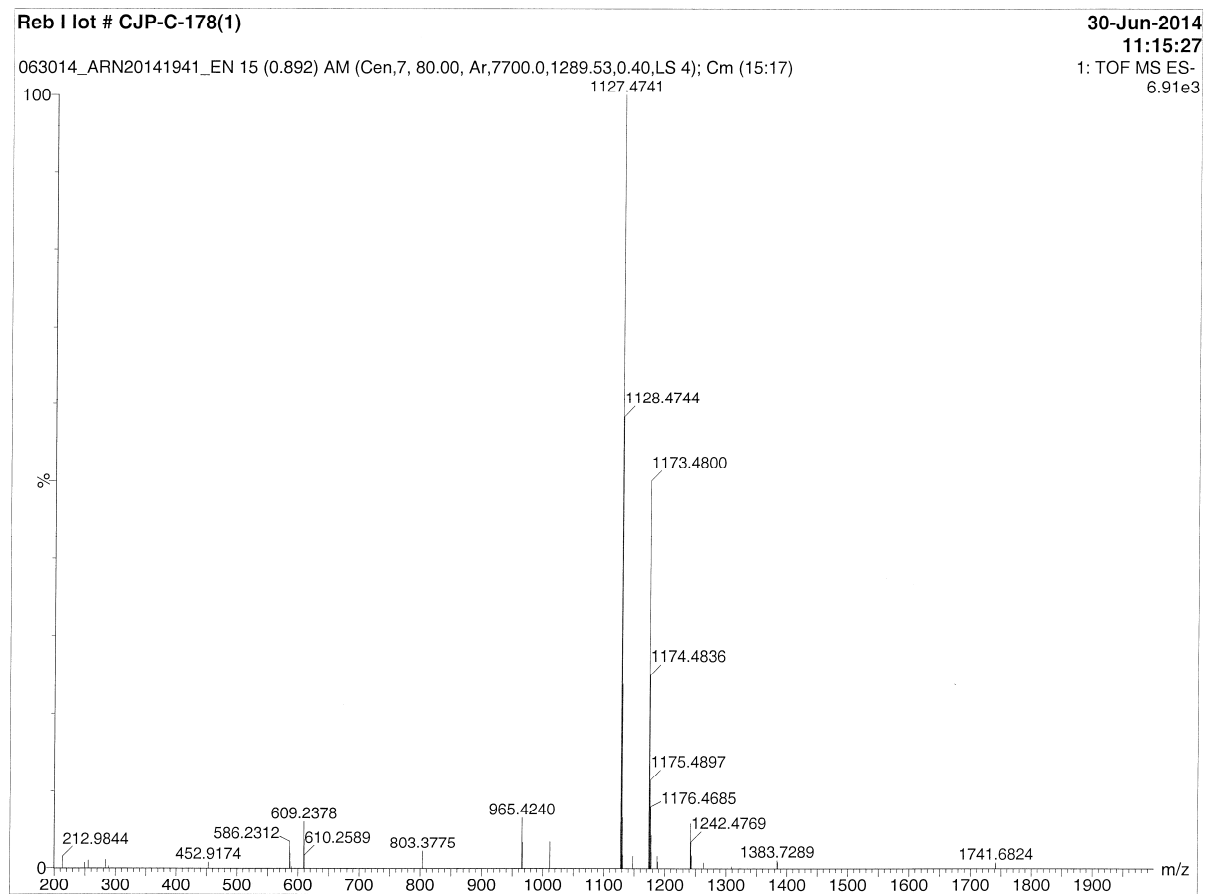
Figure S15. ESI-TOF mass spectrum of Rebaudioside (5).

Figure S16. Accurate mass analysis of Rebaudioside (5).**Elemental Composition Report****Page 1****Single Mass Analysis (displaying only valid results)**

Tolerance = 5.0 PPM / DBE: min = 0.0, max = 50.0

Selected filters: None

Monoisotopic Mass, Even Electron Ions

112 formula(e) evaluated with 2 results within limits (up to 50 closest results for each mass)

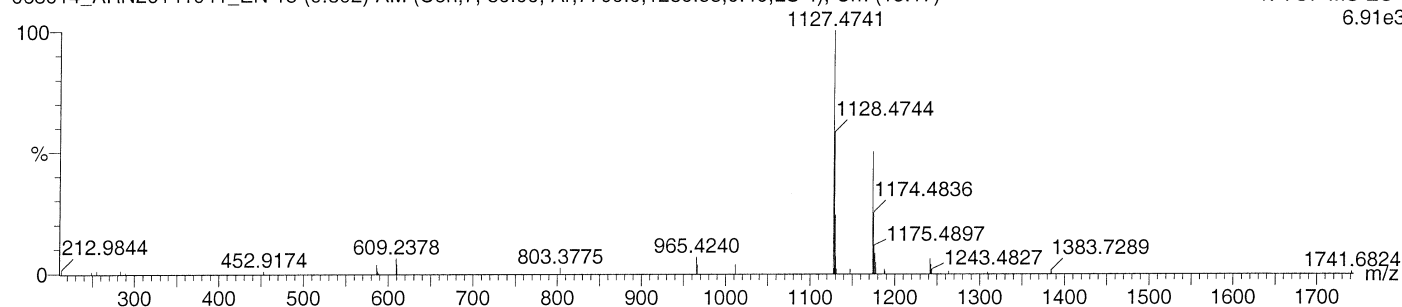
Elements Used:

C: 30-60 H: 30-90 O: 0-40

Reb I lot # CJP-C-178(1)

30-Jun-2014
11:15:27
1: TOF MS ES-
6.91e3

063014_ARN20141941_EN 15 (0.892) AM (Cen,7, 80.00, Ar,7700.0,1289.53,0.40,LS 4); Cm (15:17)



Minimum: 0.0
Maximum: 100.0 5.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
1127.4741	1127.4758	-1.7	-1.5	11.5	4.5	C50 H79 O28
	1127.4699	4.2	3.7	20.5	17.7	C57 H75 O23