

Supplementary Materials

Contents

- Figure S1.** $^1\text{H-NMR}$ in CDCl_3 for compound **1**.
- Figure S2.** $^{13}\text{C-NMR}$ in CDCl_3 for compound **1**.
- Figure S3.** DEPT in CDCl_3 for compound **1**.
- Figure S4.** COSY in CDCl_3 for compound **1**.
- Figure S5.** HMQC in CDCl_3 for compound **1**.
- Figure S6.** HMBC-1 in CDCl_3 for compound **1**.
- Figure S7.** HMBC-2 in CDCl_3 for compound **1**.
- Figure S8.** $^1\text{H-NMR}$ in CDCl_3 for compound **2**.
- Figure S9.** $^{13}\text{C-NMR}$ in CDCl_3 for compound **2**.
- Figure S10.** DEPT in CDCl_3 for compound **2**.
- Figure S11.** COSY in CDCl_3 for compound **2**.
- Figure S12.** HMQC in CDCl_3 for compound **2**.
- Figure S13.** HMBC in CDCl_3 for compound **2**.
- Figure S14.** HR-TOF-MS for compound **1**.
- Figure S15.** HR-TOF-MS for compound **2**.
- Figure S16.** CCC chromatogram.
- Figure S17.** CD spectrum for compound **1**.
- Figure S18.** CD spectrum for compound **2**.

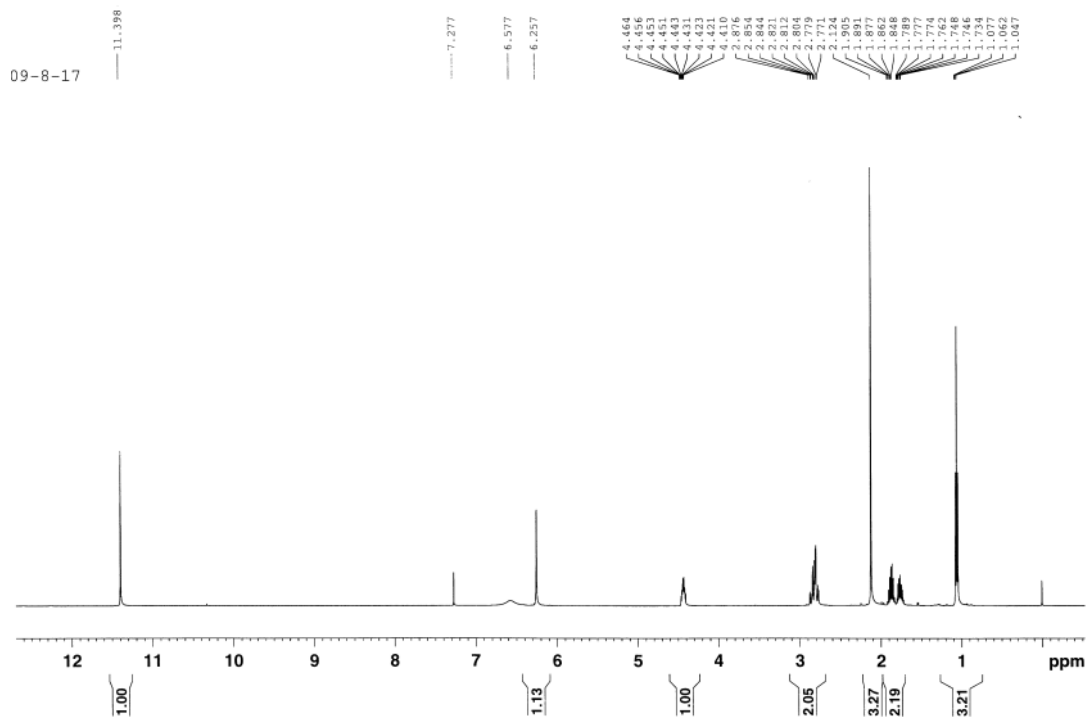
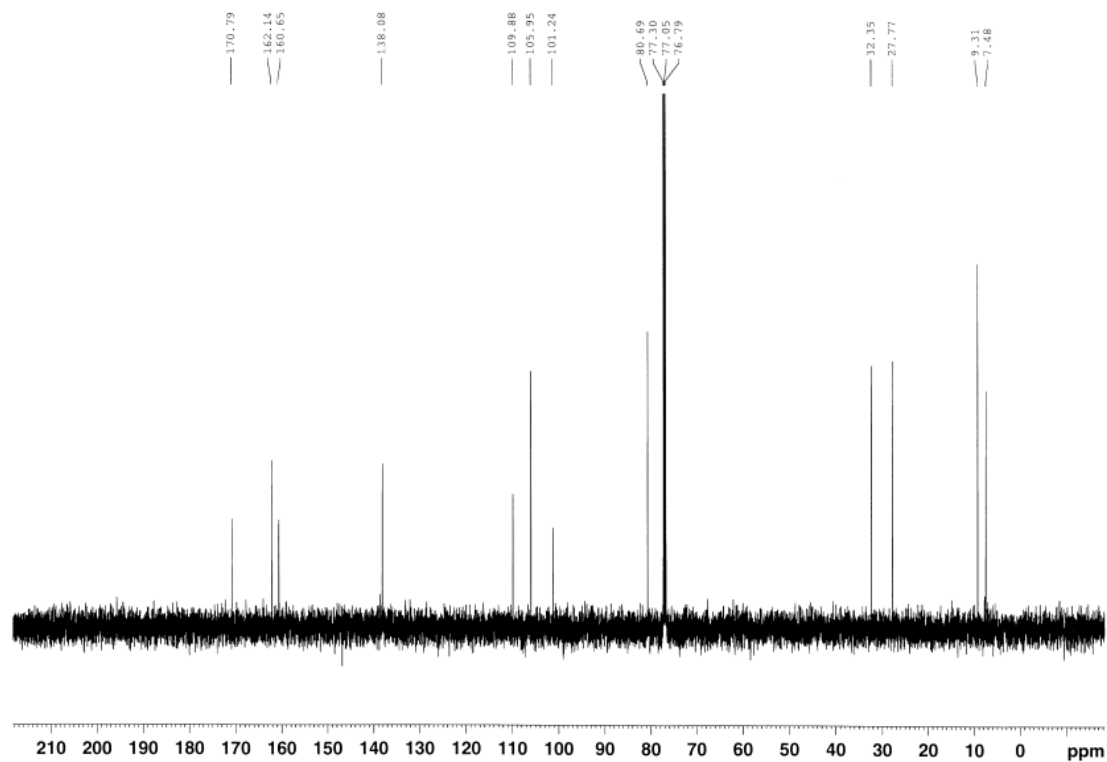
Figure S1. $^1\text{H-NMR}$ in CDCl_3 for compound 1.Figure S2. $^{13}\text{C-NMR}$ in CDCl_3 for compound 1.

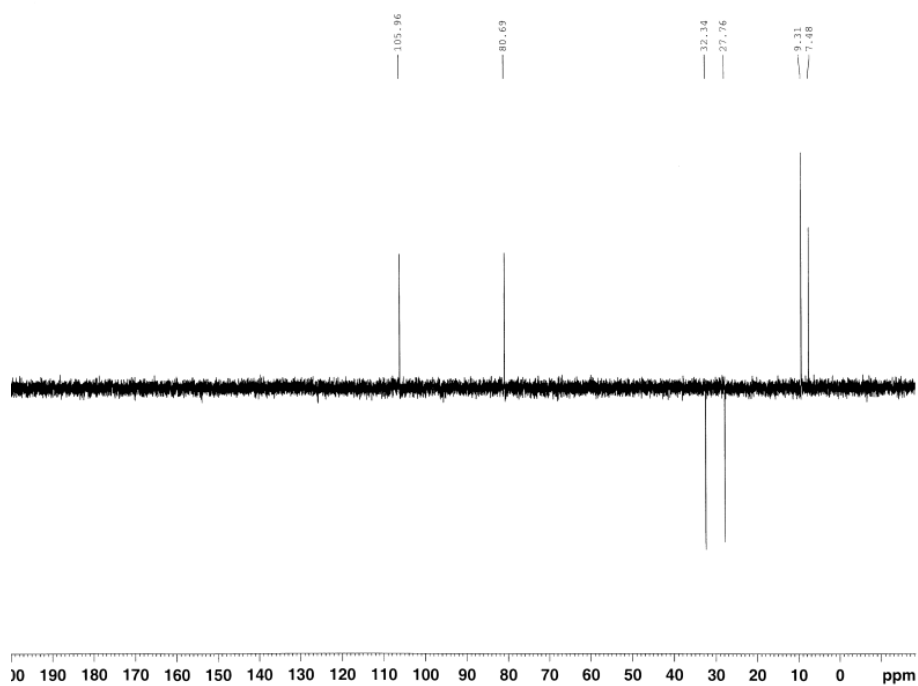
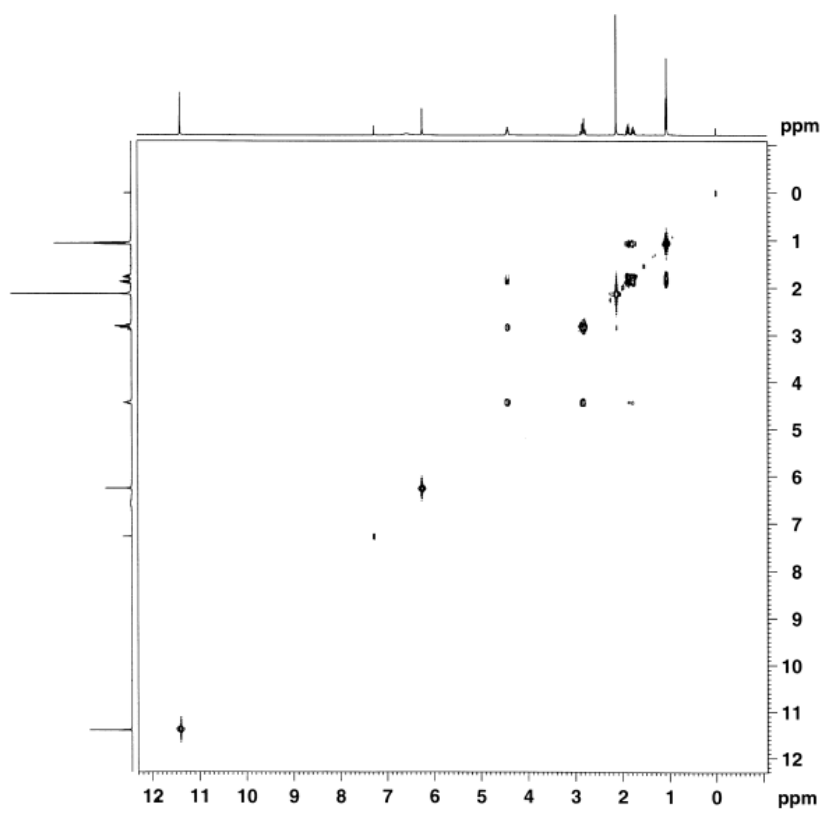
Figure S3. DEPT in CDCl₃ for compound 1.Figure S4. COSY in CDCl₃ for compound 1.

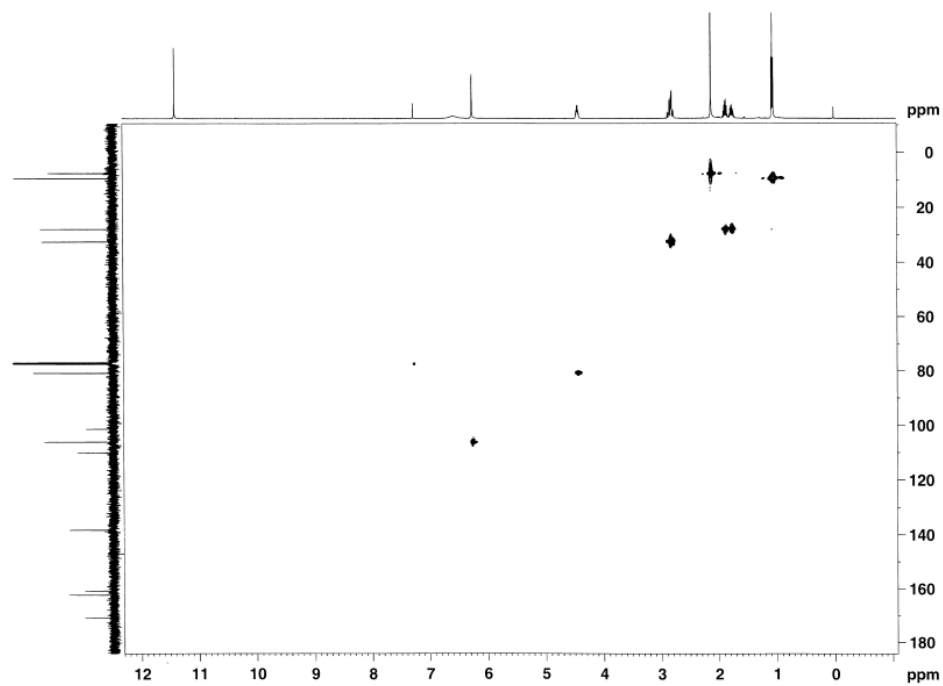
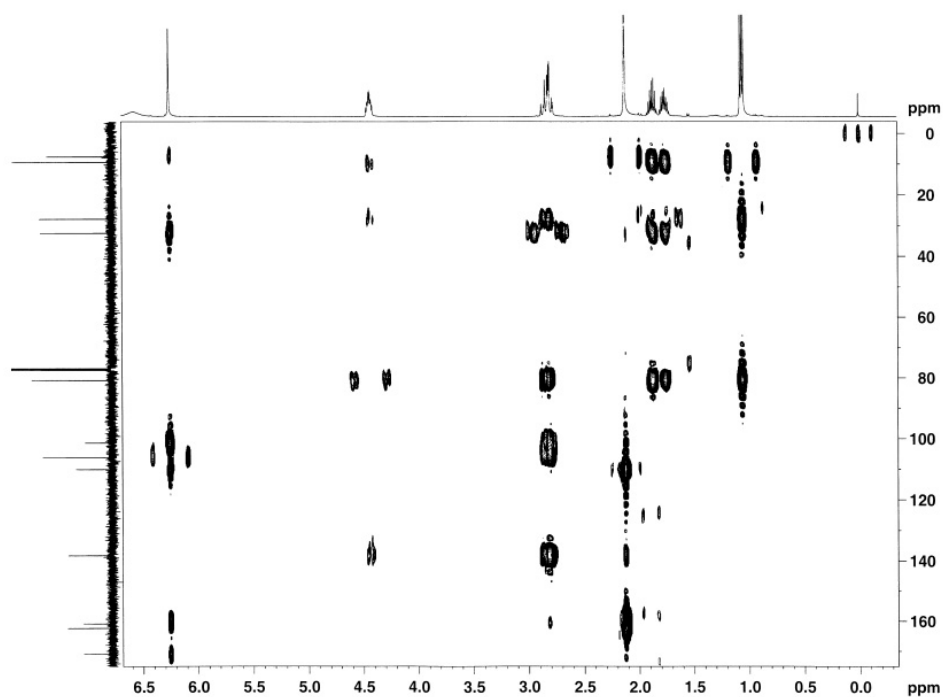
Figure S5. HMQC in CDCl₃ for compound 1.Figure S6. HMBC-1 in CDCl₃ for compound 1.

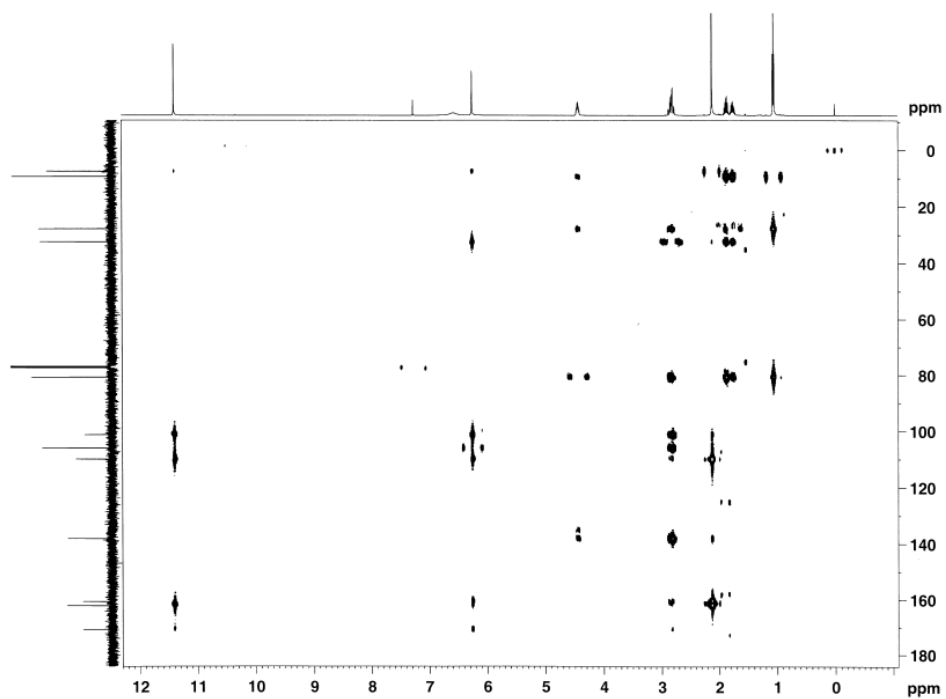
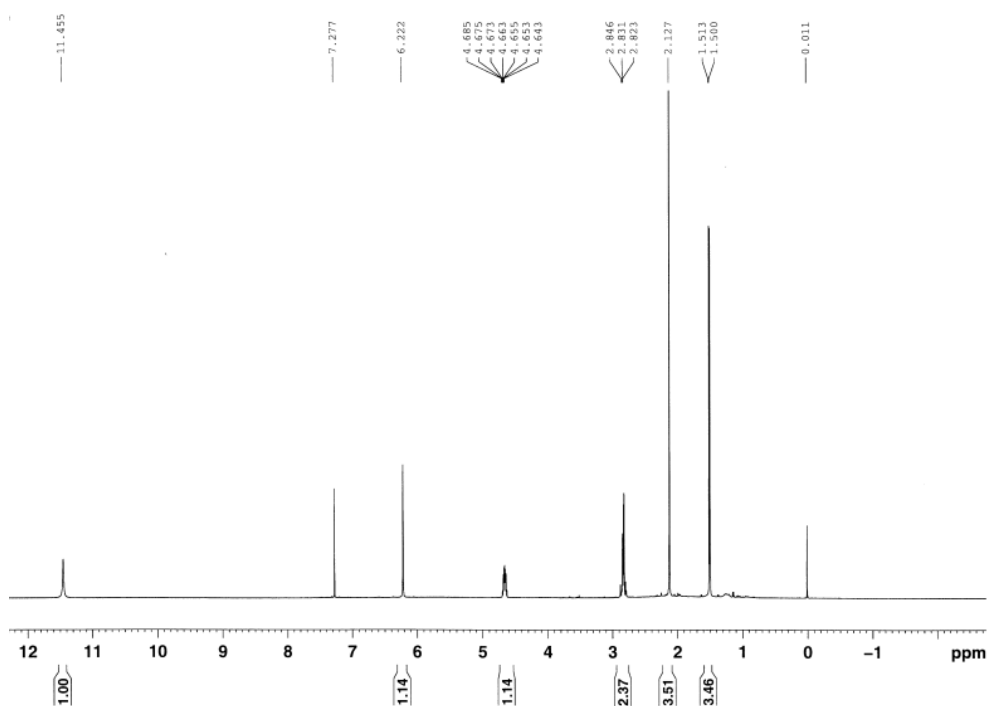
Figure S7. HMBC-2 in CDCl₃ for compound 1.Figure S8. ¹H-NMR in CDCl₃ for compound 2.

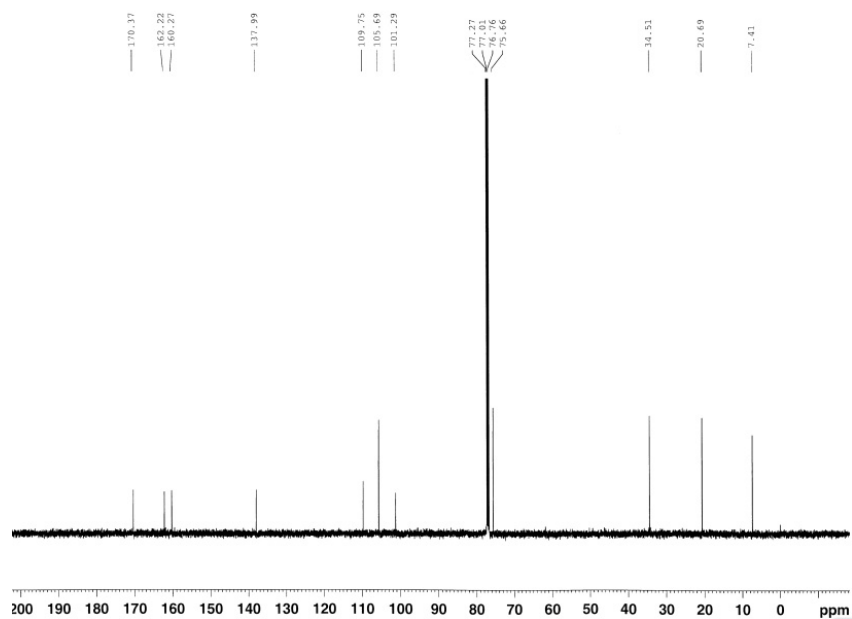
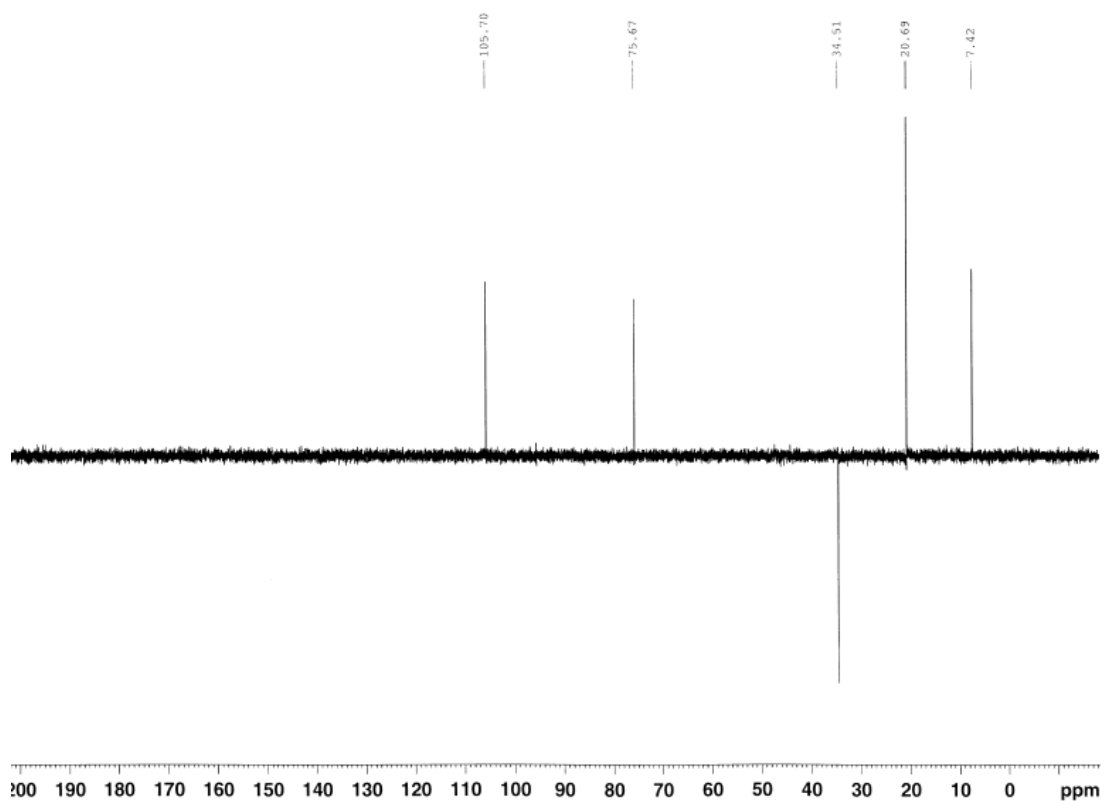
Figure S9. ^{13}C -NMR in CDCl_3 for compound 2.**Figure S10.** DEPT in CDCl_3 for compound 2.

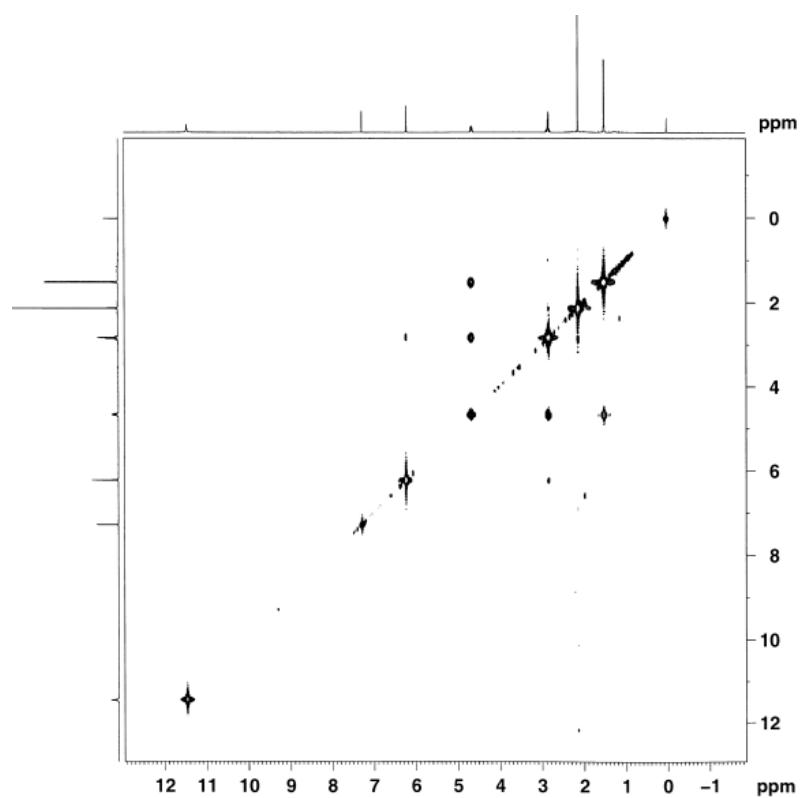
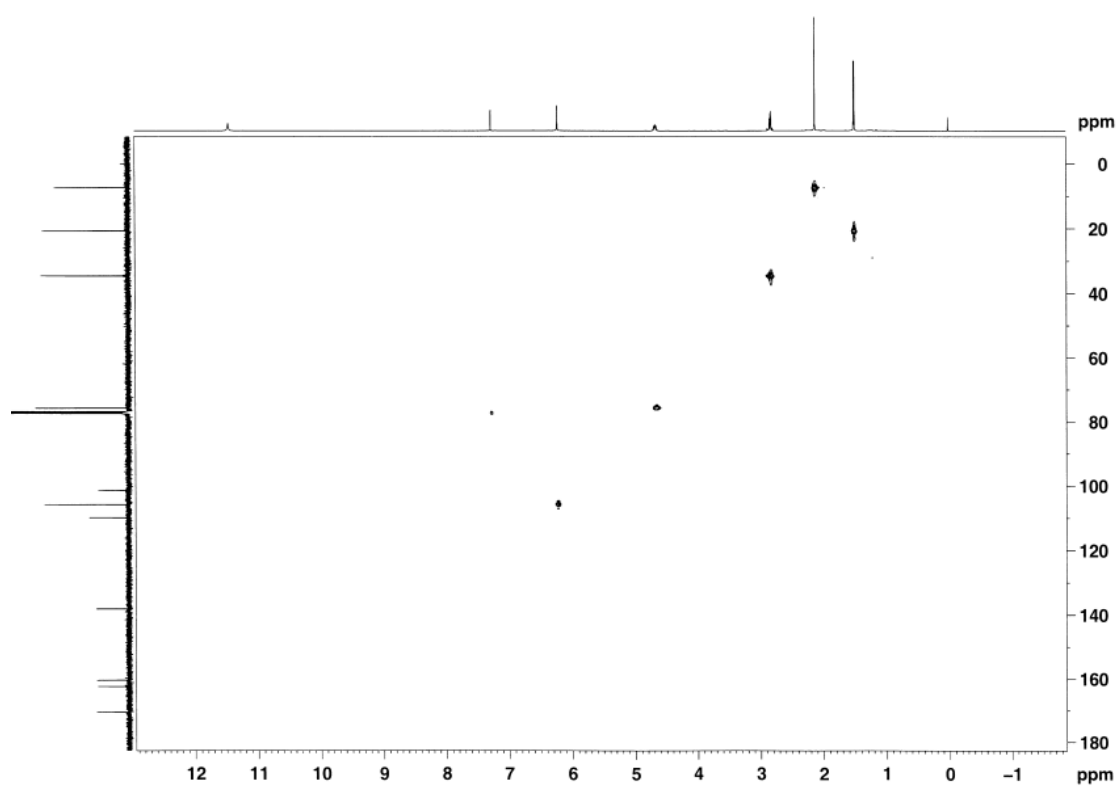
Figure S11. COSY in CDCl₃ for compound 2.**Figure S12.** HMQC in CDCl₃ for compound 2.

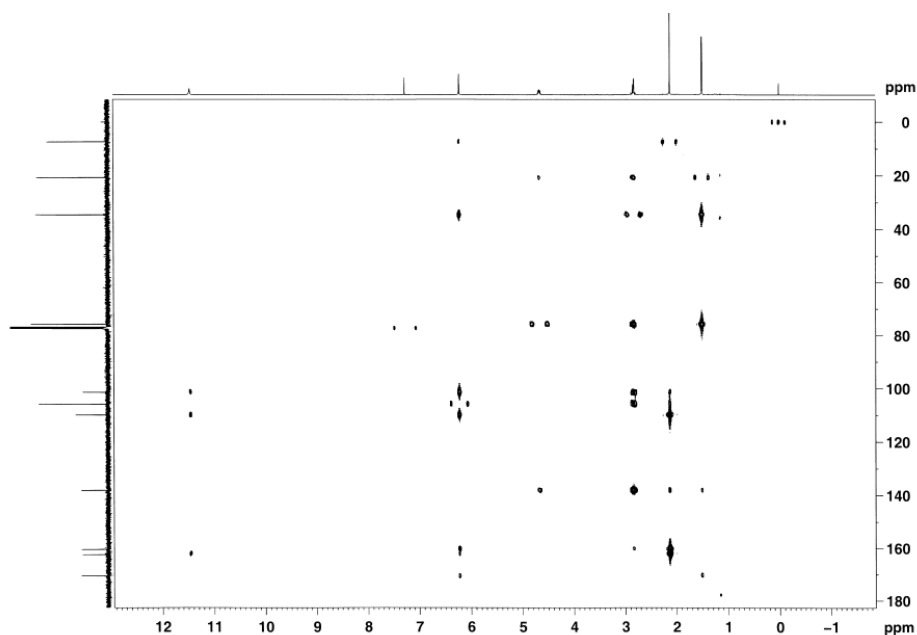
Figure S13. HMBC in CDCl₃ for compound 2.

Figure S14. HR-TOF-MS for compound 1.

Elemental Composition Report

Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

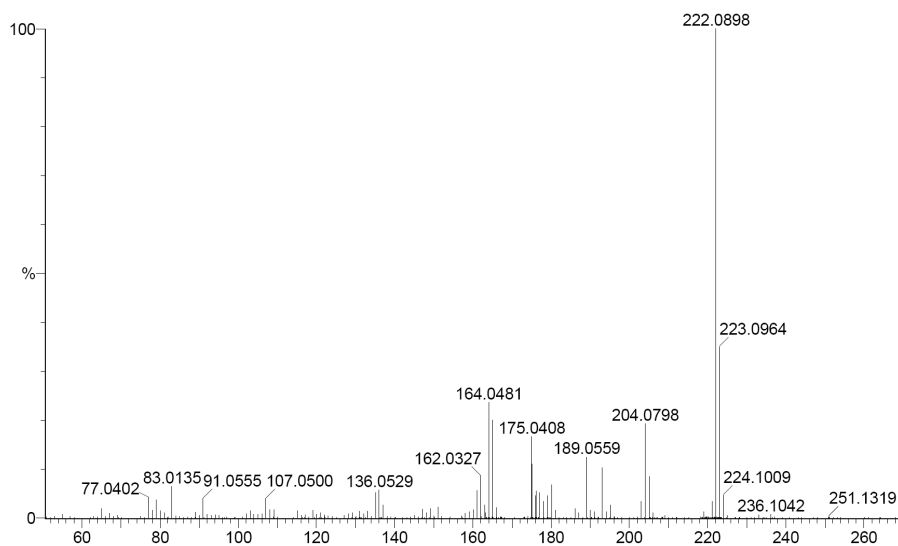
Monoisotopic Mass, Odd and Even Electron Ions

10 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 0-20 H: 0-20 O: 0-5

09-8-1 1529 (9.905) Cm (1529:1533-1481:1500)

TOF MS Cl⁺

Minimum: -1.5
 Maximum: 3.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
222.0898	222.0892	0.6	2.7	6.0	676.3	C12 H14 O4

Figure S15. HR-TOF-MS for compound 2.**Single Mass Analysis**

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Monoisotopic Mass, Odd and Even Electron Ions

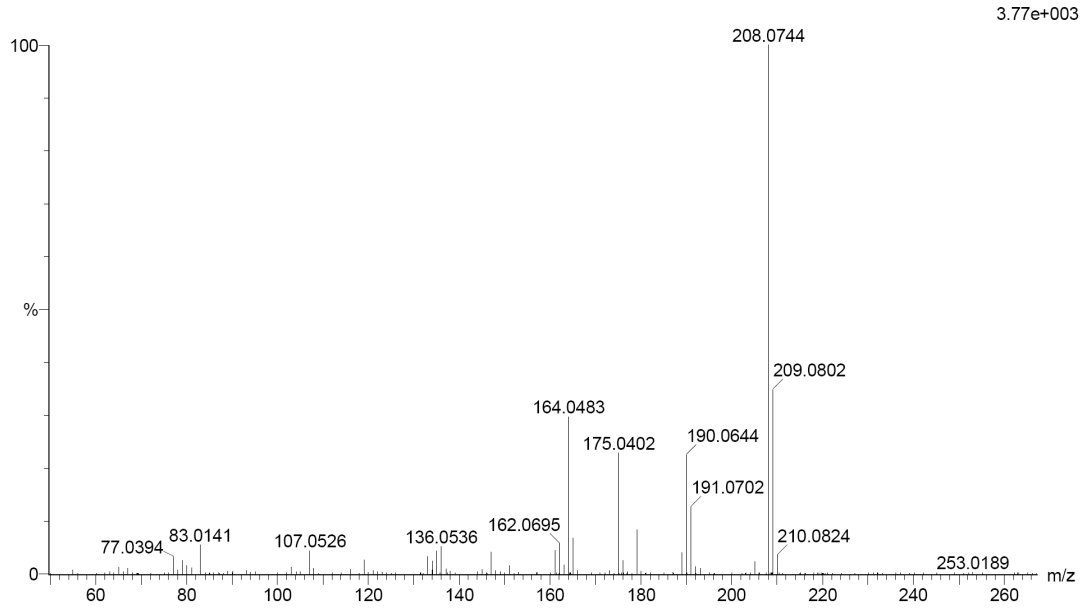
12 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 0-20 H: 0-20 O: 0-5

09-8-1 1457 (9.545) Cm (1455:1462-1411:1435)

TOF MS CI+



Minimum:

Maximum:

3.0

20.0

-1.5

50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
208.0744	208.0736	0.8	3.8	6.0	274.1	C11 H12 O4

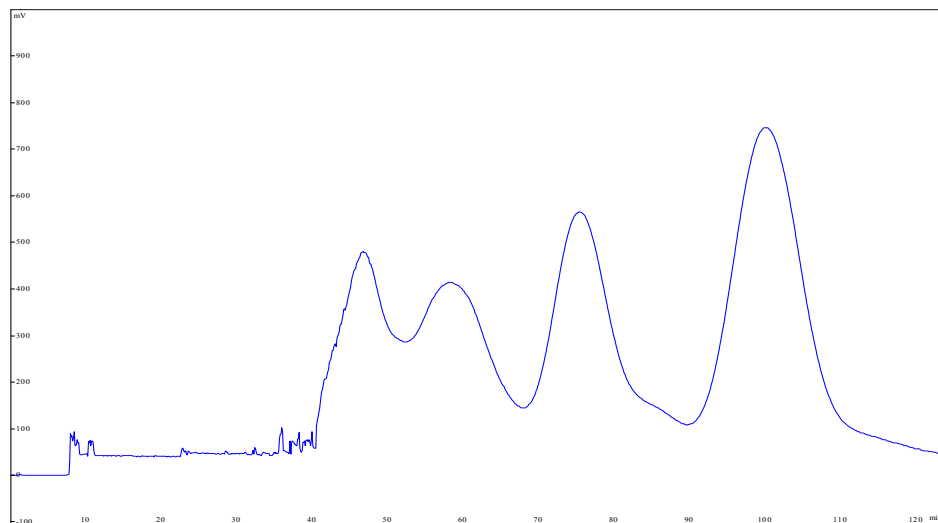
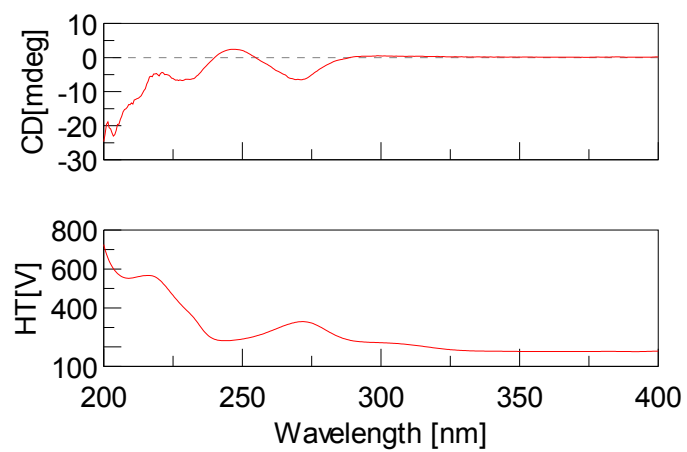
Figure S16. CCC chromatogram

Figure S17. CD spectrum for compound 1.**Figure S18.** CD spectrum for compound 2.