

Supplementary Materials

Anti-inflammatory and Anti-oxidant potential of the root extract and constituents of *Doronicum austriacum*

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Spectra of compound 1

Figure S1: LC-MS-spectrum (positive Mode)

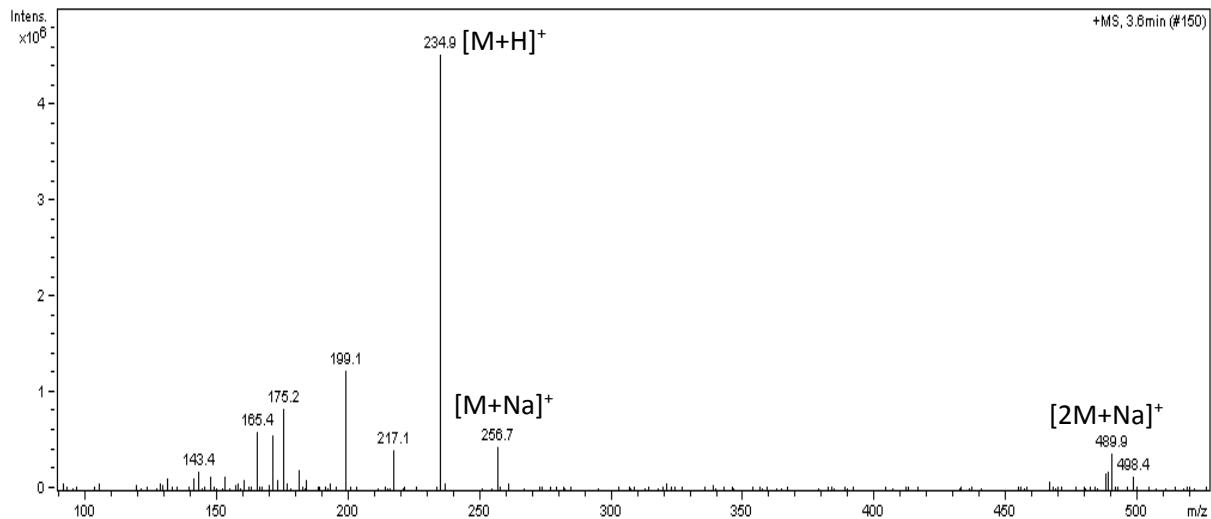


Figure S2: ^1H -NMR spectrum (300.13 MHz) of compound **1** in CDCl_3 .

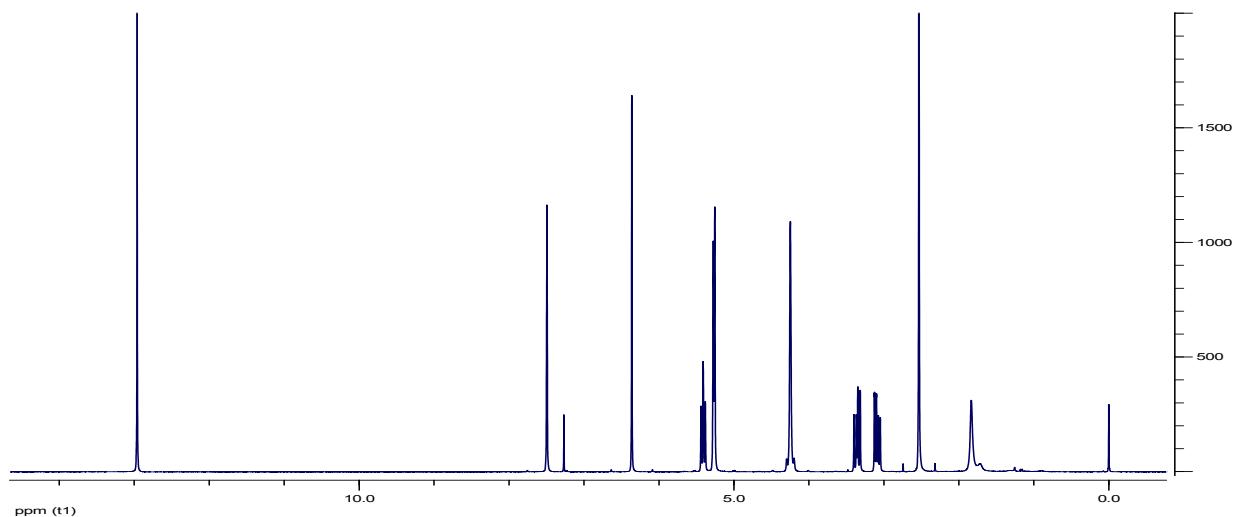


Figure S3: HSQC-NMR spectrum (300.13 MHz; 75.48 MHz) of compound **1** in CDCl_3 .

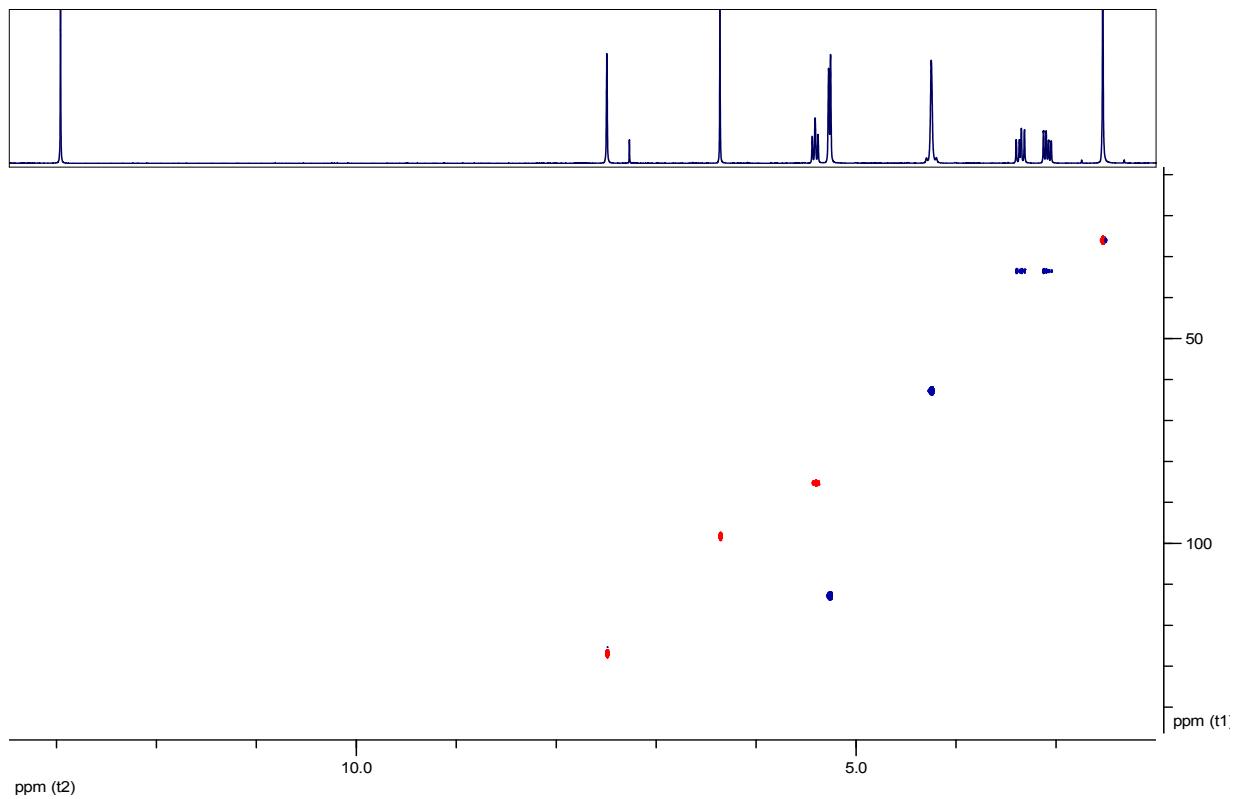


Figure S4: HMBC-NMR spectrum (300.13 MHz; 75.48 MHz) of compound **1** in CDCl_3 .

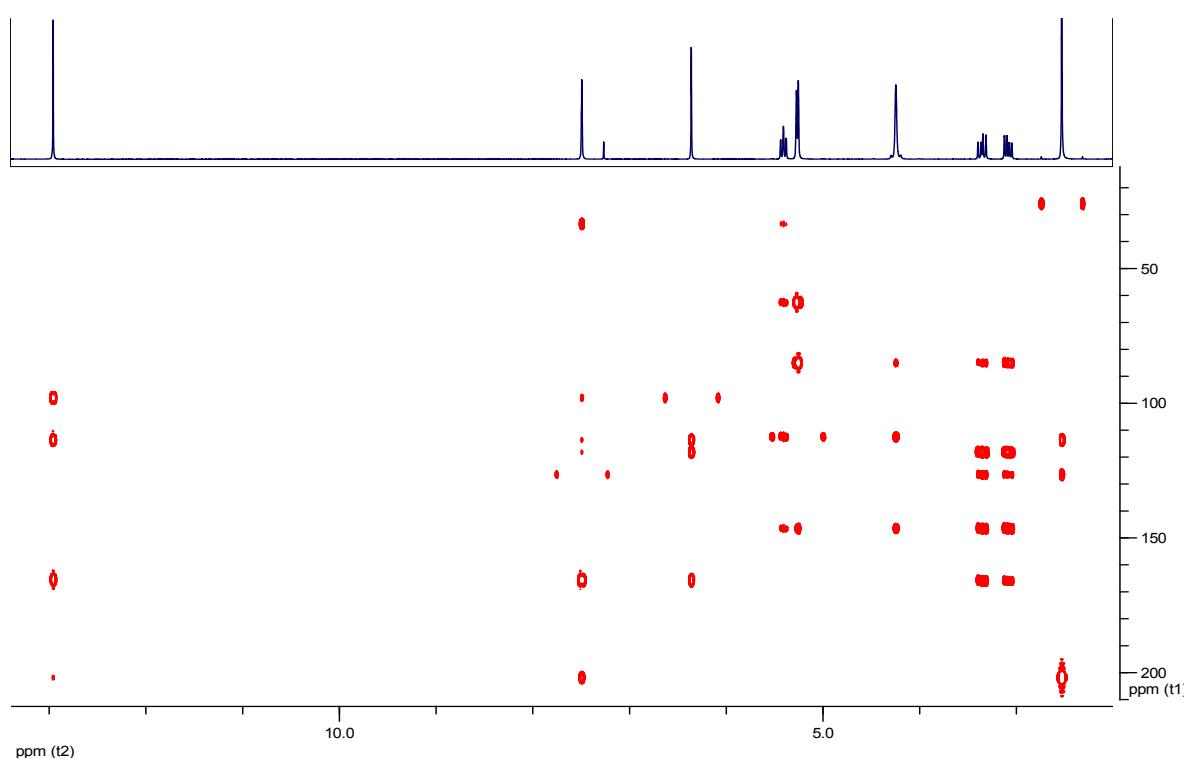
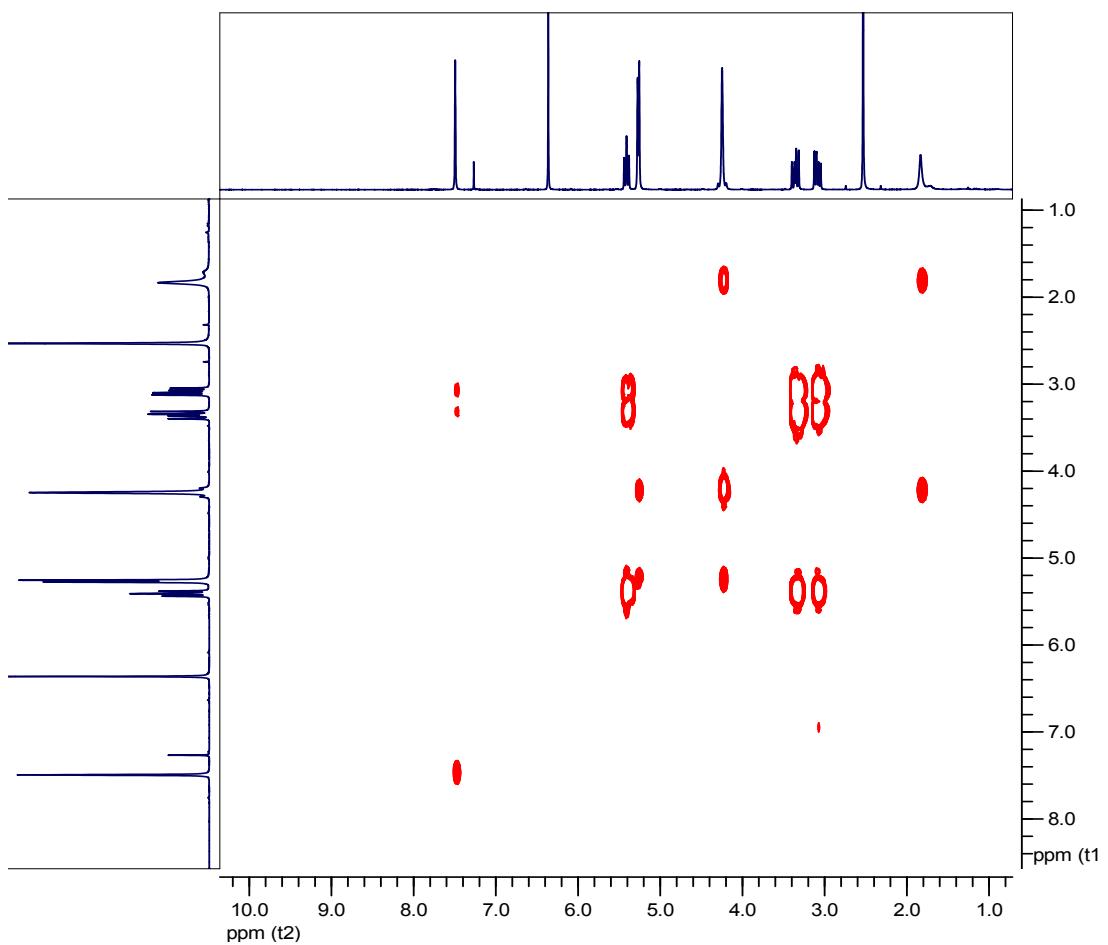


Figure S5: COSY-NMR spectrum (300.13 MHz) of compound **1** in CDCl_3 .



Spectra of compound 2

Figure S6: LC-MS-spectrum (positive Mode)

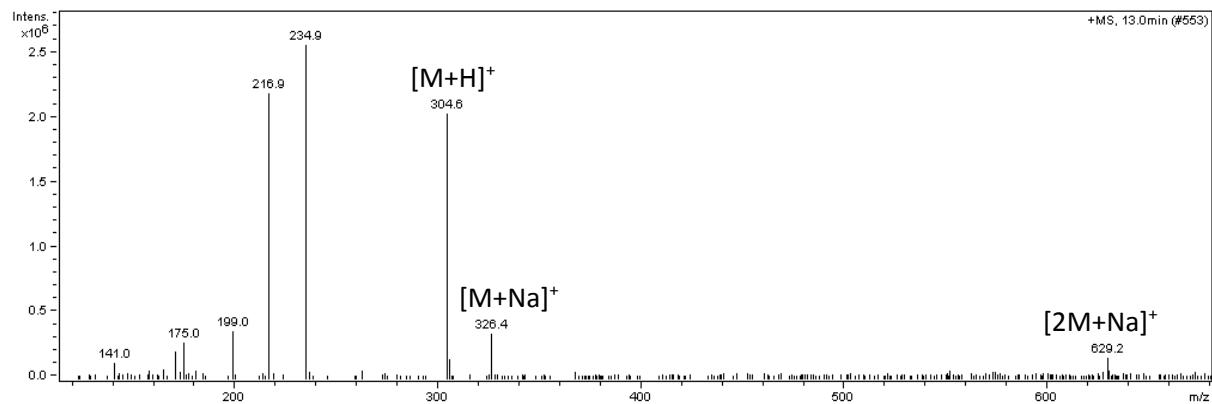


Figure S7: ^1H -NMR spectrum (300.13 MHz) of compound 2 in CDCl_3 .

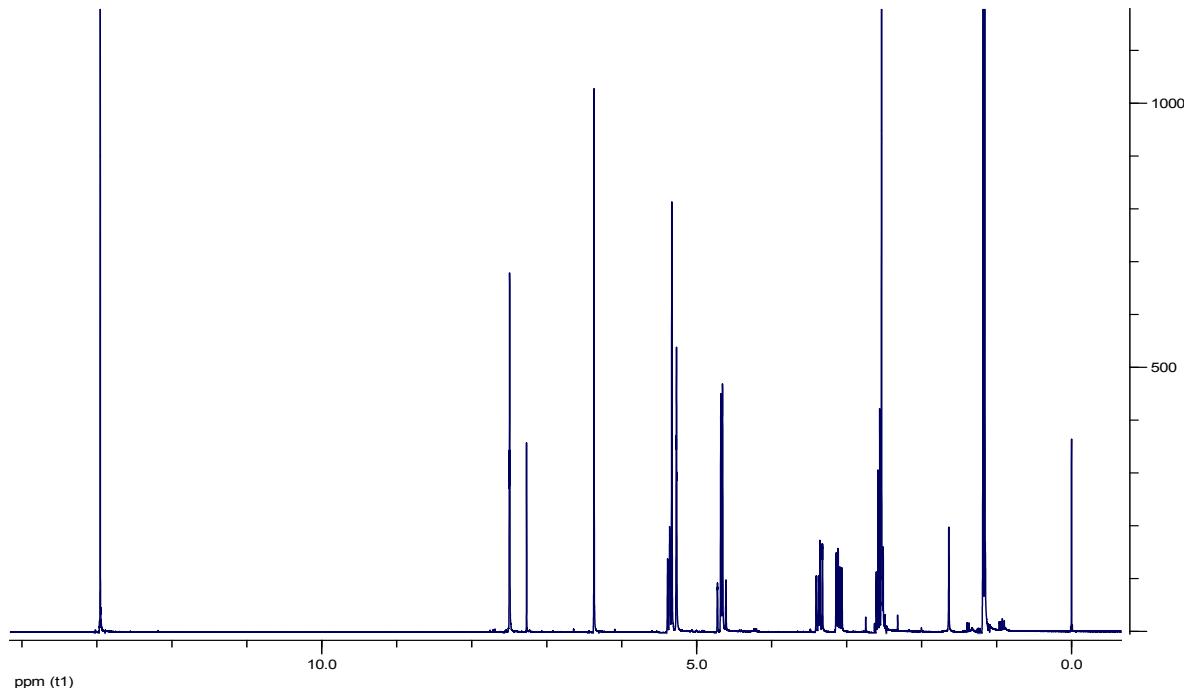


Figure S8: HSQC-NMR spectrum (300.13 MHz; 75.48 MHz) of compound **2** in CDCl_3 .

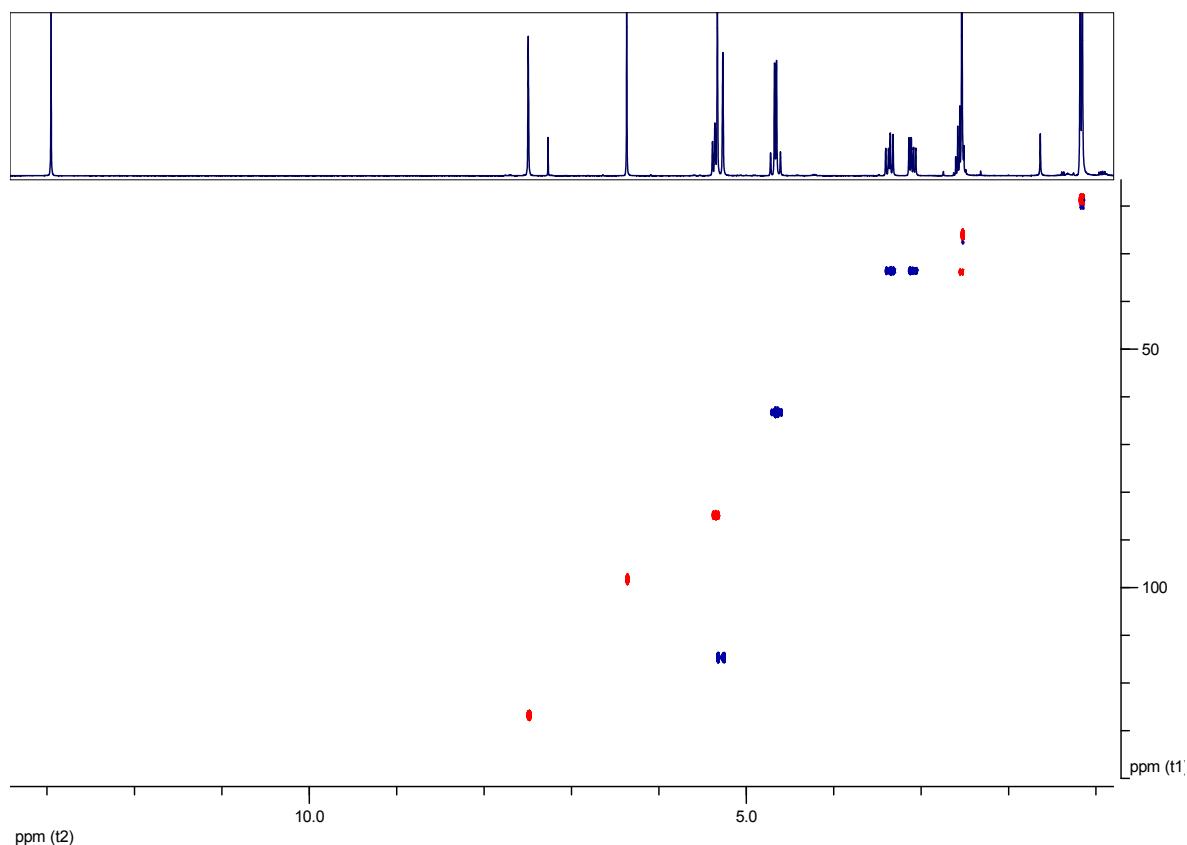


Figure S9: HMBC-NMR spectrum (300.13 MHz; 75.48 MHz) of compound **2** in CDCl_3 .

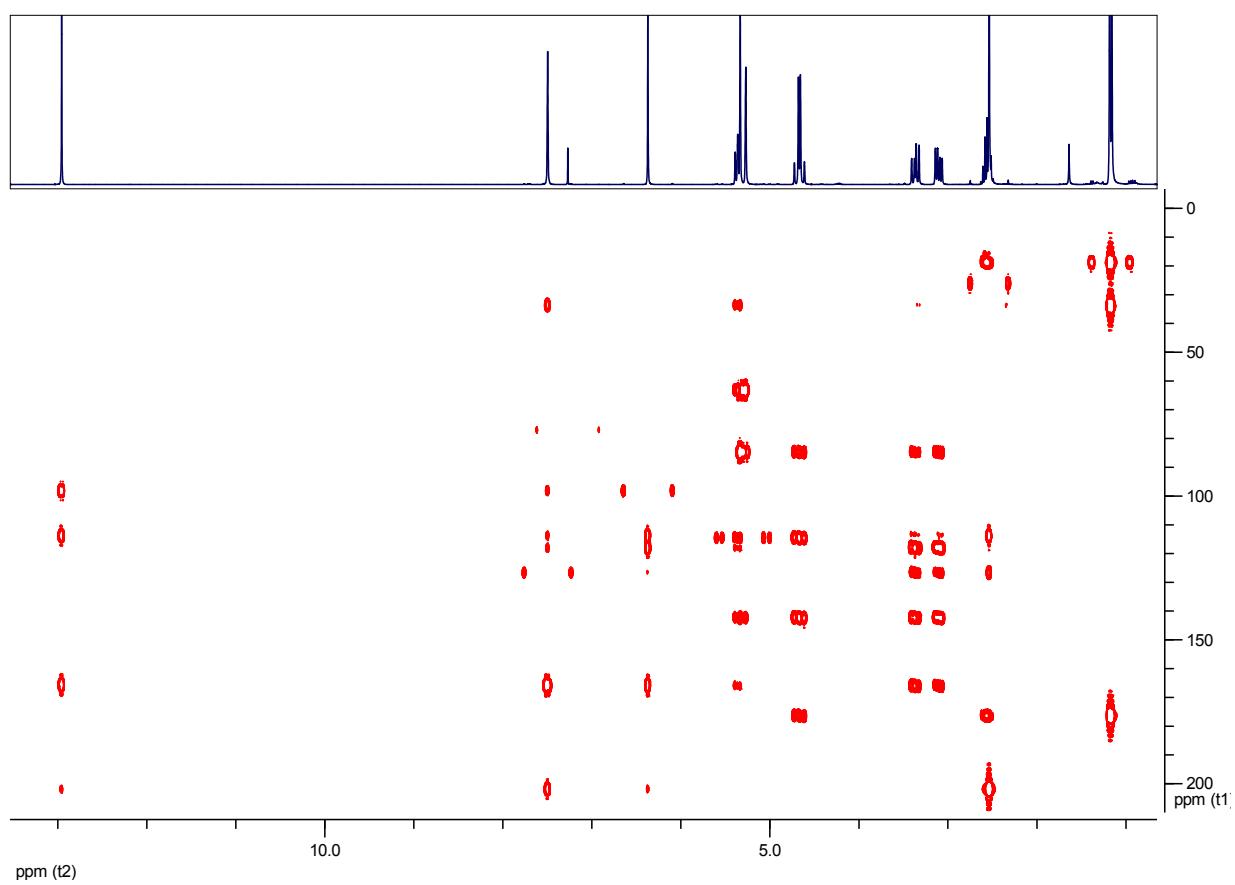


Figure S10: COSY-NMR spectrum (300.13 MHz) of compound **2** in CDCl_3 .

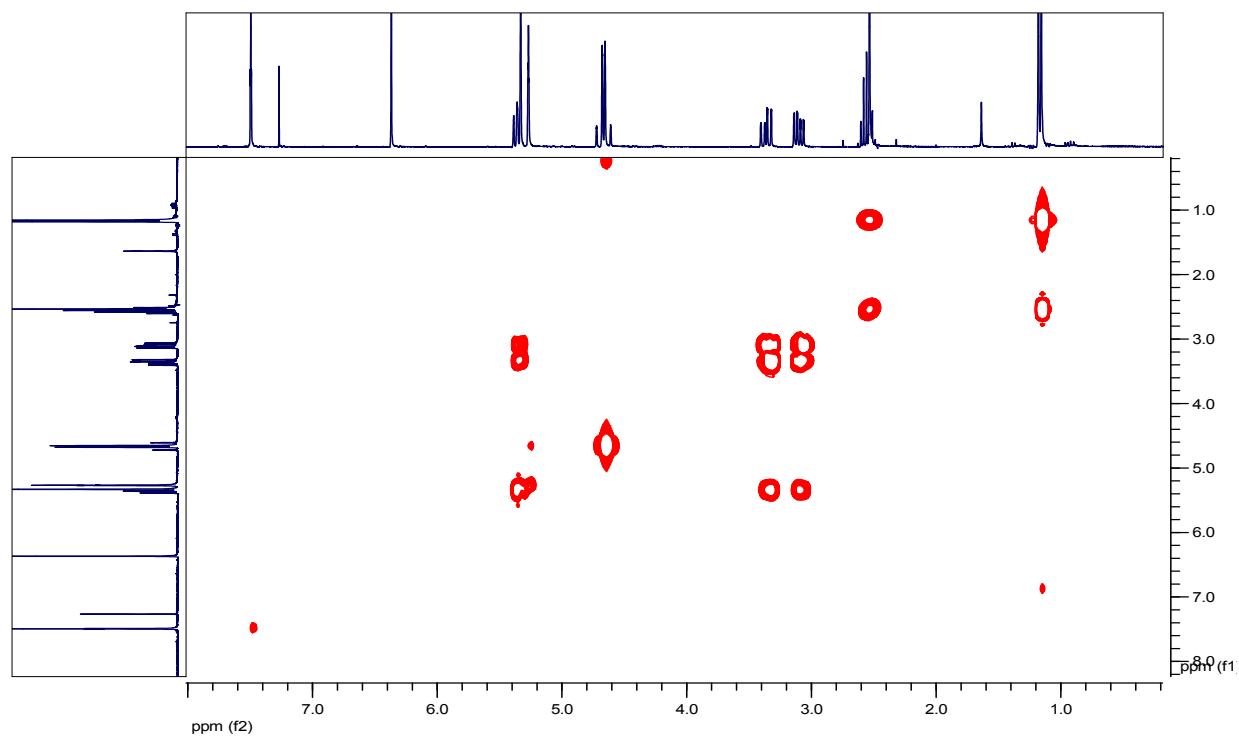
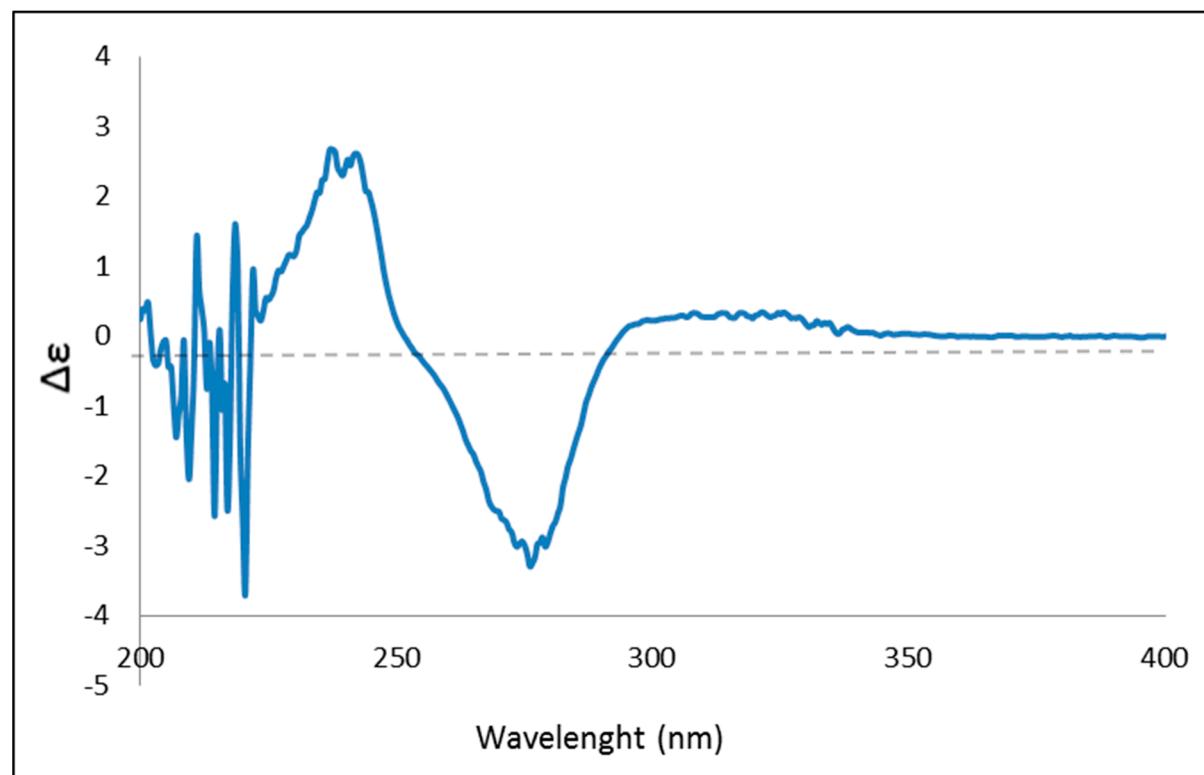


Figure S11: Experimental ECD spectrum of compound **2** in acetonitrile.



Spectra of compound 3

Figure S12: LC-MS-spectrum (positive Mode)

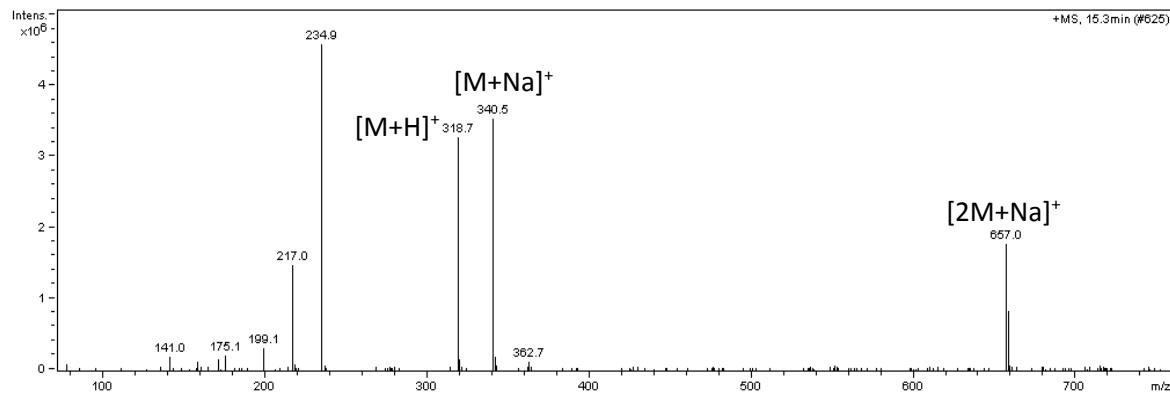


Figure S13: ^1H -NMR spectrum (300.13 MHz) of compound 3 in CDCl_3 .

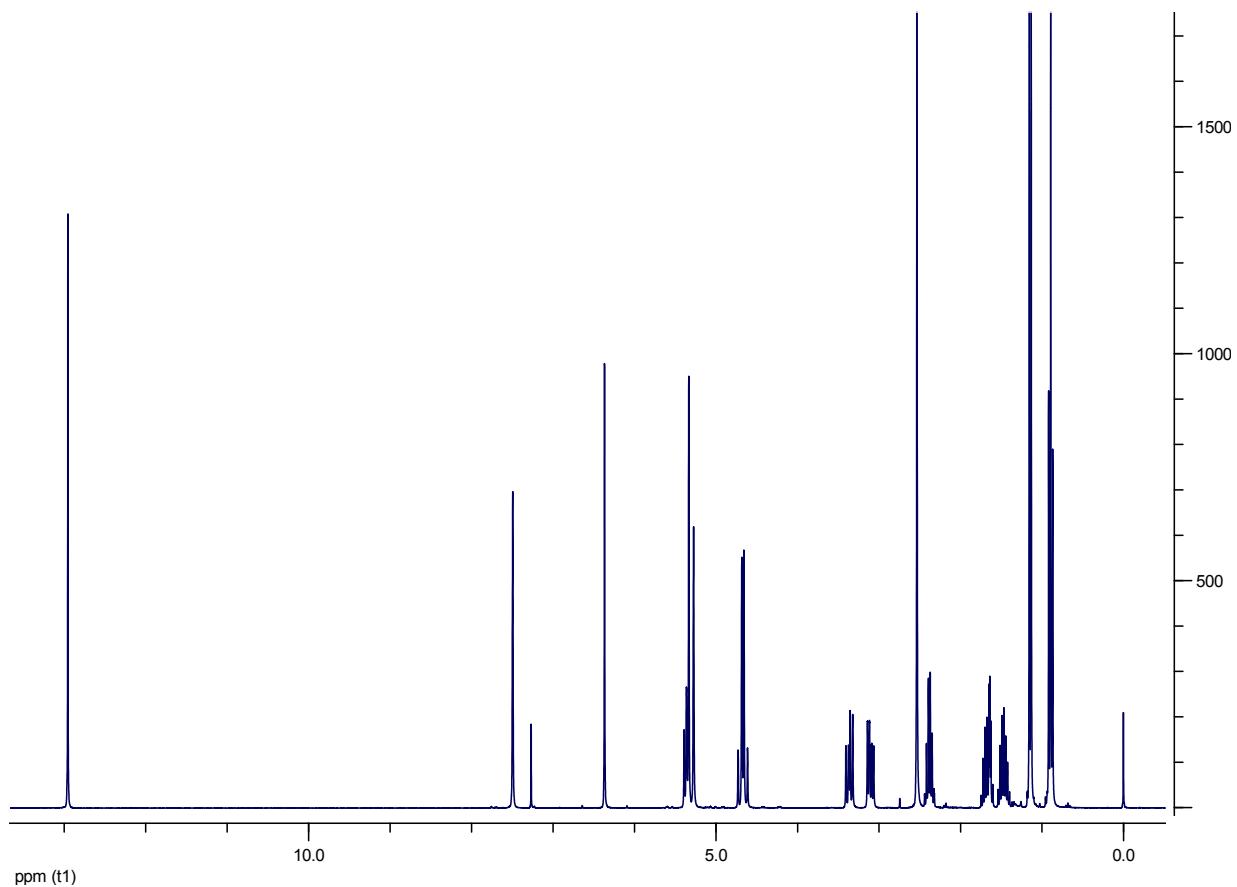


Figure S14: HSQC-NMR spectrum (300.13 MHz; 75.48 MHz) of compound **3** in CDCl_3 .

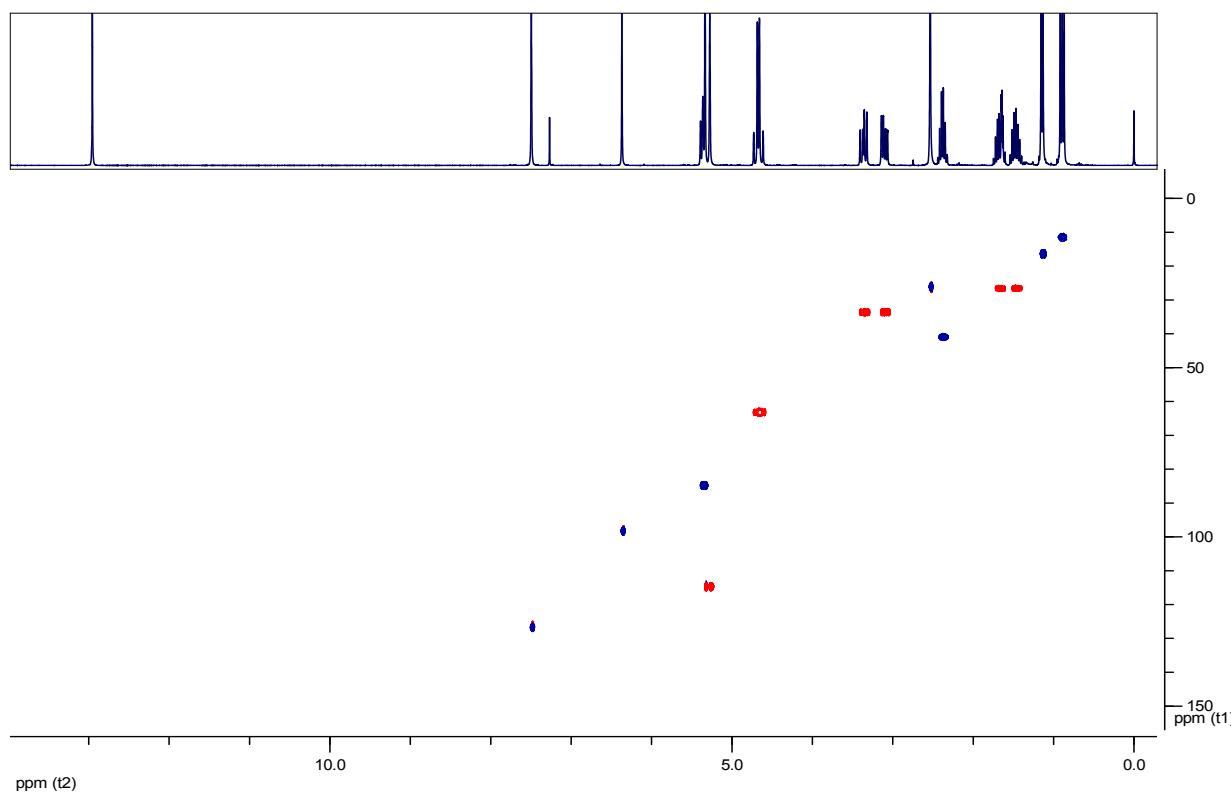


Figure S15: HMBC-NMR spectrum (300.13 MHz; 75.48 MHz) of compound **3** in CDCl_3 .

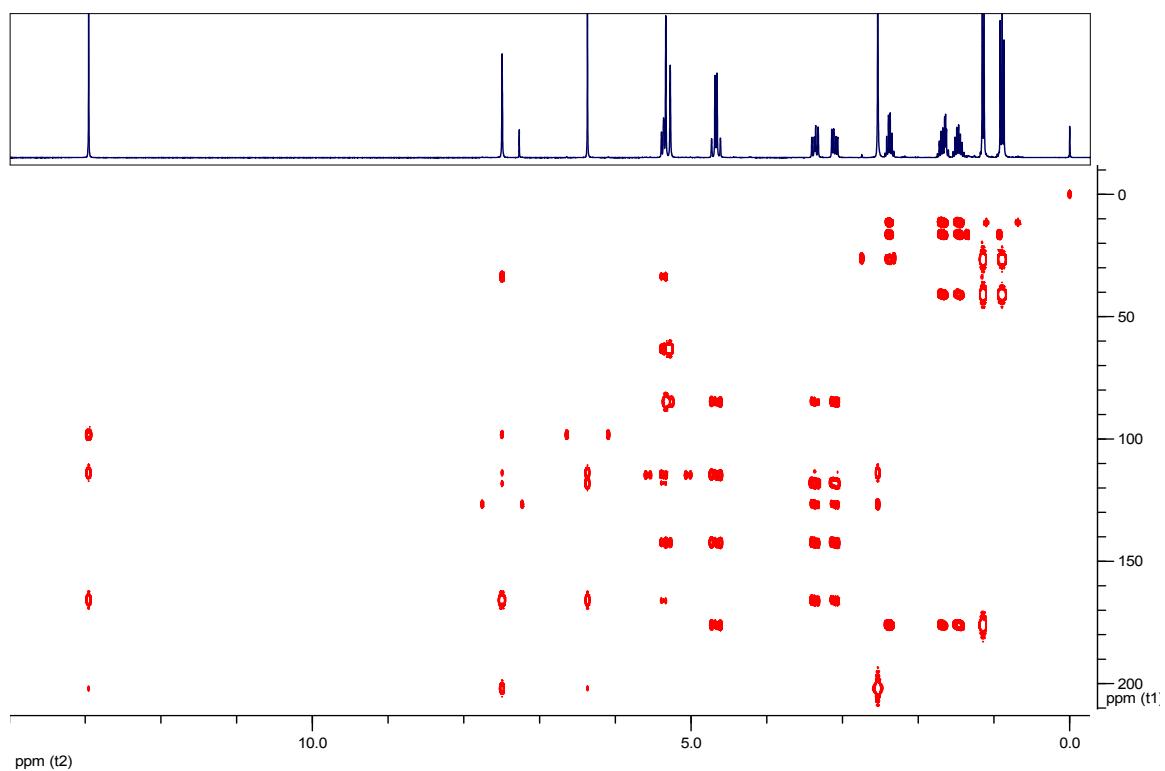


Figure S16: COSY-NMR spectrum (300.13 MHz) of compound **3** in CDCl_3 .

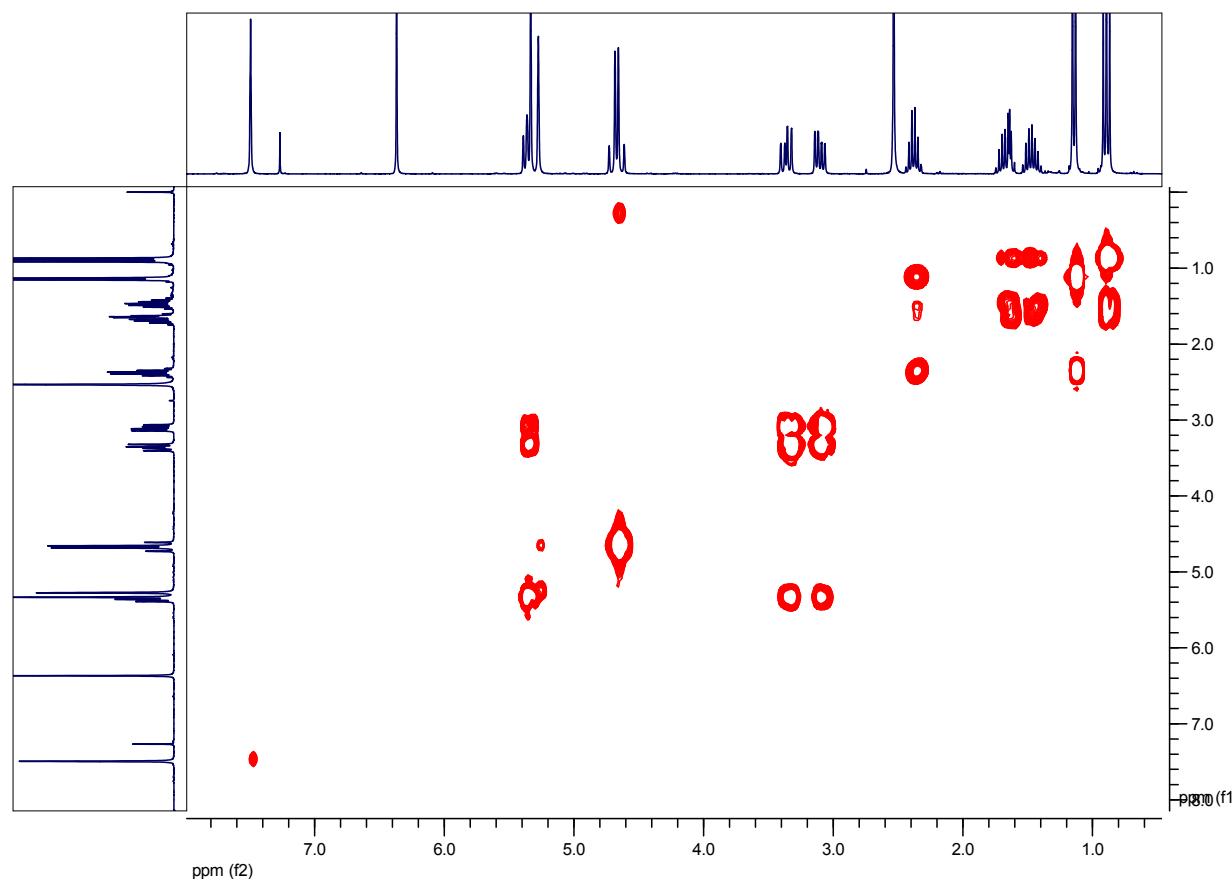


Figure S17: Experimental ECD spectrum of compound **3** in acetonitrile.

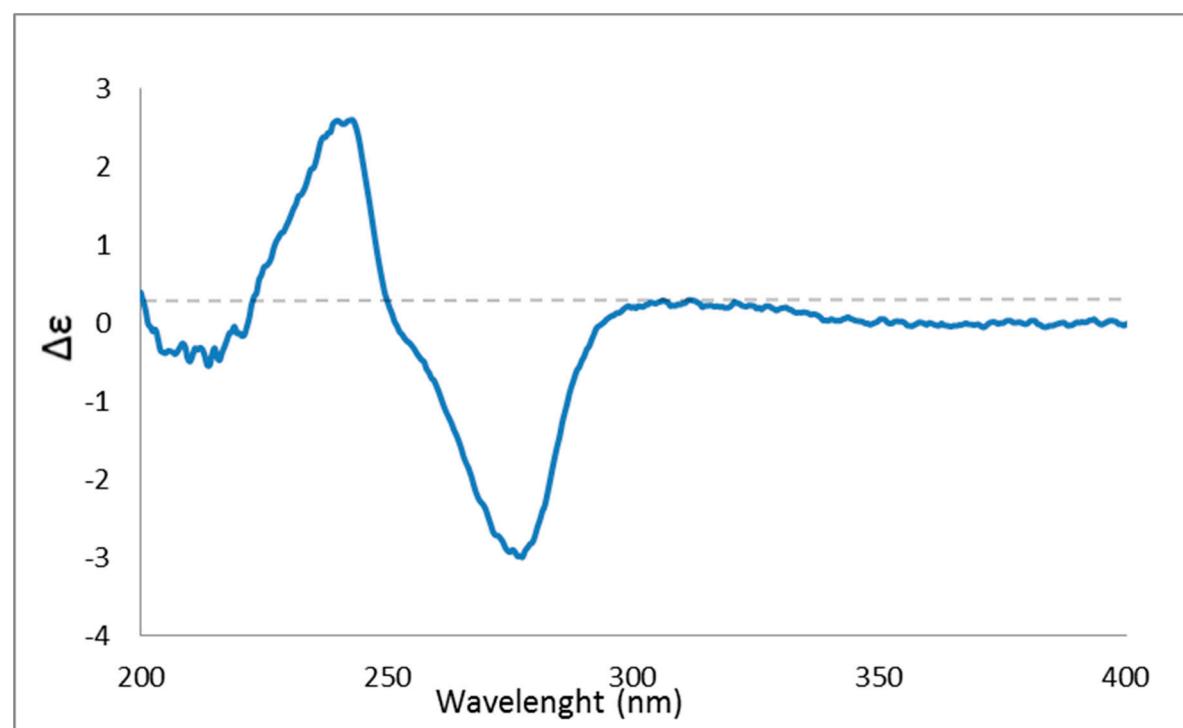


Figure S18: Energy minimized conformers of compound **1** using DFT at the B3LYP/6-31G** level.

